THE

ANNUAL REPORT

MADE TO THE

URBAN SANITARY AUTHORITY

OF THE

COUNTY BOROUGH OF HUDDERSFIELD,

FOR THE YEAR

1895,

BY

JAMES ROBERT KAYE,

M.B., D.P.H., CAMB., F.C.S.,

Medical Officer of Health to the Borough;
Medical Officer to the Birkby Fever Hospital;
Medical Officer to the Mill Hill Fever Hospital.

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HUDDERSFIELD:
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Duties and Powers of the Health Committee.

To execute and perform in the name and on behalf of the Council, but subject to the Standing Orders of the Council and to confirmation by the Council, all the powers and duties of the Corporation in relation to the following :—

Main Intercepting Sewers and Sewage Disposal Works.

Agreements with other Authorities as to disposal of Sewage.

Cleansing of Sewers in Central District.

Storm Overflow Sewers in the Central District.

Infectious and Epidemic Diseases.

Hospitals for Infectious Diseases.

Common Lodging Houses.

Cleansing of Infected Houses.

Prevention of Pollution of Rivers and Streams.

Health Statistics and Sickness and Mortality Returns.

Superintendence of the Department of the Medical Officer of Health (in conjunction with the Sanitary Committee).

Property of Corporation at Deighton, adjoining Sewage Disposal Works.

Sanitary.

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Duties and Powers of the Sanitary Committee.

To execute and perform in the name and on behalf of the Council, but subject to the Standing Orders of the Council and to confirmation by the Council, all the powers and duties of the Corporation in relation to the following :—

Scavenging of Streets.

Removal and disposal of Nightsoil and Refuse.

Public Urinals and Conveniences.

Nuisances.

Offensive Trades.

Control of Drains, Privies, Ashpits, and Cesspools.

Buildings and rooms unfit for habitation.

Polluted Wells.

Adulteration of Food and Drugs.

Unwholesome Food.

Cowsheds, Dairies and Milkshops.

Canal Boats.

Factories and Workshops.

Superintendence of the Department of the Medical Officer of Health (in conjunction with the Health Committee).

STATISTICAL SUMMARY.

Situation—Latitude, 53° 39′ 7″ N. ; Longitude, 1° 47′ 30″ W.

Elevation of the area built over—Varies from 200 feet to 600 feet above ordinance data.

Area of the Borough—11,852 acres ; of the Central District, 734 acres.

Density of Population—For the Borough, 8·4 persons per acre ; for the Central District, 36·4.

No. of Inhabited Houses—At Census (April) 1891, 20,930.

Population—(1891) 95,422 ; Estimated at the middle of 1895, 99,482.

Birth Rate—21·70 per 1,000.

Death Rates—Recorded, 17·14 per 1,000.

,, Zymotic, seven commoner Infectious Diseases, 1·30.

,, Infantile Mortality, 158 per 1,000 births.

,, Diseases of the Respiratory Organs, 3·16.

Mean Annual Temperature—46·6 degrees.

Total Rainfall—34·4 inches.

MEDICAL OFFICER OF HEALTH'S DEPARTMENT,

April, 1896.

Gentlemen,

Herewith I beg to submit for your consideration my Annual Report, which deals with the Vital Statistics and Sanitary condition of the County Borough for the year 1895.

The work is recorded as far as possible in a series of tables, and I have purposely refrained from comment.

Reports more in detail than in former years have been presented at the monthly and quarterly meetings, and therefore it is advisable to avoid needless repetition, even at the risk of causing my remarks to appear fragmentary and incomplete. The Report contains figures interesting in problems connected with disease and its causation, and worthy of study by all concerned in the sanitary welfare of this Borough.

Death rates, properly estimated, form the foundation of all our sanitary efforts, and although the healthiness of a district cannot be measured by death rates alone, still they are accepted as indications of the public health, and are especially significant if continued over a period of years.

Although the recorded death rate, 17·14 for the year 1895, is higher than 15·92 per 1,000 of the previous year, still, an examination of the quarterly death rates reveals the fact that the increase was entirely confined to the first quarter of the year. The protracted and severe weather of that period undoubtedly stamped its features on the death roll, and therefore adverse meteorological conditions were not only the most important cause on the death rate of that quarter, but coloured and affected the figures for the whole year.

On the other hand, the mortality from the seven commoner infectious diseases was 1·30 in 1895 against 1·52 in 1894, and with one exception the lowest annual rate yet recorded, a result, which without presumption, we may say, shews that our means

of prevention, such as notification, isolation, disinfection, and flushing, have not been without their reward.

It must, indeed, be a source of satisfaction to the members of the Corporation to observe the general decline of the death rate which has been noticeable from year to year, and which affords clear evidence that the progressive sanitary policy of this Borough is bearing goodly fruit, and has not been "labour in vain that profiteth not."

It would be unwise to claim the reduction of the death rate as wholly due to the sanitary reforms effected in the Borough. There are other factors : but allowing for these, it may be claimed that improved sanitary conditions have played a most important part in lowering the mortality wave, and in improving the physical well-being of the people.

Intimately connected with the diminution of the mortality from infectious disease is Hospital accommodation, and I venture to congratulate the Health Authority on the important fact that, at the moment of writing, our new Hospital is actually in the hands of the contractors. But even with the defective accommodation available at present the popularity of Hospital isolation continues, and during the year no less than 89 per cent. of the cases of Scarlet Fever were treated in the Hospital.

I have already referred to the death rate, but I might here say that as far as the total recorded death rate is concerned, we stand *second*, and with regard to the Zymotic death rate, *the lowest* on the list of the 33 large English towns.

The increased activity in the marriage market is noteworthy, especially as an index of the improved condition of trade.

Our relative position with regard to the birth rate amongst the large towns is worthy of note. Ever since 1878 the birth rate has been gradually declining, and during the year 1895 we have reached the position of having the *smallest birth rate* amongst the 33 large towns.

Considering the unfavourable position Huddersfield occupied for some years in connection with the large number of uncertified deaths, it is pleasing to observe a decrease of over 1 per cent. in this class of deaths.

The unusual attention given to Cowsheds is worthy of note. A large number were visited by a Sub-Committee with, I believe, a very wholesome effect. The sanitation of Cowsheds is important to the cow-keepers, not only in the relation to the health of his cattle, but to the public, because, as we have often reported, milk acts as an excellent vehicle in transmitting disease, whether the disease originate in the animal, like tubercule, or like scarlet fever and other diseases is acquired in the course of distribution of the milk.

The Sub-Committee noted numerous instances of old customs and erroneous theories blinding many of the cow-keepers to the fact that the health of the cows depends on the same conditions as the health of man, viz. :—fresh air, cleanliness, pure water, and wholesome food ; still, the all round improvement in many of the cowsheds during the past two or three years has been very satisfactory.

Much attention has been given to the emission of black smoke from factory and workshop chimneys, and our action has resulted in several factories providing increased boiler power.

Your action in allowing the maximum to be reduced to seven minutes is to be commended.

The difficult subject of Stream Pollution has received much consideration during the year. Several important lengths of sewer have been completed, and action is now being taken to remove several nuisances by connecting the offending outlets to the new sewers.

In several instances sewage was discharged into millponds, causing them to become specially noxious in warm weather, and in two cases the nuisances have been remedied by removing the sewage to its proper destination—the sewer.

The public are becoming more alive to the importance of sanitary conditions, and I am glad to be able to report that the relations of this Department to the medical men, the owners of property, and the public, continue to improve. There still exists, however, a selfish apathy among some ratepayers who grumble at the rates, and yet obstruct us in our efforts to reduce them. They forget the excellent motto of the Borough—"Juvat Impigros Deus."

The Department would receive invaluable assistance if each house-owner were required to hang up in his house or houses a plan of the drainage, and if each householder insisted upon this before taking a house; indeed, I hold that the law should look upon a "Drain Plan" as an essential part of the title deeds.

The fact that smells are not complained of does not imply that no evil results will ensue. It must be remembered that there are sub-soil air currents, just as there are atmospheric currents, and acted upon much in the same way by variations of temperature, so that if the soil be impregnated with putrescible matter from leaky drains, or from cesspools or privies, the polluted air in the soil is apt to be aspirated into the house by the up-currents produced by the rarefied air within the house.

The idea of waiting until the malady occurs before the drains are taken account of is very bad policy, and it cannot be too widely recognised that all insanitary conditions influence disease besides being responsible for many, so that attention to the drainage of a house should form a part of the Spring cleaning, just as the cupboards and the walls, and, as in "house-wives' work," we should recollect there is no finality in sanitary work.

In conclusion I desire to tender my thanks for the hearty co-operation and cordial support extended to me by the members of the Corporation, and at the same time to express my appreciation of the excellent manner in which the members of the staff have carried out their various duties.

Yours faithfully,

JAMES R. KAYE.

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REPORT, 1895.

Area, Physical Geography, and Geology.

In previous Reports I have made remarks on these subjects, so that here I will only mention a few facts. The Borough of Huddersfield comprises an area of 11,852 acres, inhabited by a population, according to the Registrar General, of 99,482 persons, who are, however, not equally distributed over the area, because in some districts the density varies from 4·4 in Longwood to 36 per acre in the Central Wards. The Borough is partly Urban but largely Rural in character. Its altitude varies between the limits of 900 feet at Castle Hill, and 172 feet at Colne Bridge, above sea level. The district is hilly, and well adapted for drainage being efficiently carried out. The principal stream, the Colne, intersects the Borough, and is joined in the Lockwood District by the River Holme. Geologically, the sub-soil of the Borough consists largely of clay and shale and sandstone, together with band coal, forming the lower coal measures or ganister beds These, in various forms, with the millstone grit, compose the twenty-two formations which constitute the sub-soil of the Borough.

Population.

The population, as enumerated at the census of 1881, was 81,841, and at the census of 1891, 95,420, giving an average annual increase of 1,357, but since 1891, the natural increment of population has been 4,062, or an annual average increase of 812, so that the population estimated on such a basis would, in 1895, be over estimated, because the proportion of increase to be gained from the excess of immigration over emigration is too large.

There are other methods of estimating the population of a town or district for any year, but we adhere to the estimate calculated by the Registrar General, which is based on the fact that population increases as money does at compound interest.

Marriages.

The following figures shew that there has been an increase in the number of marriages in the year 1895 compared to several previous years, and one may fairly argue that this increase is a measure of the greater prosperity of the Borough.

Average annual Return of Marriages in the Borough of Huddersfield and Huddersfield Poor Law Union for four five years' periods from 1876 to 1895.

Periods.	Borough of Huddersfield.	Huddersfield Poor Law Union.	Average Population of the Borough.
1876-80	820	1178	78919
1881-85	852	1247	84633
1886-90	843	1279	91440
1891-95	844	1298	97560

Births.

The total number of births registered in the Borough during the 52 weeks ended the 28th December, was 2,151—males, 1094; females, 1,057. This is equivalent to a birth rate of 21·70 per 1,000 of the population, as compared with 20·25 of the previous year. Sixteen births were registered in the Workhouse. The birth rate of the 33 large towns averaged 31·36. Huddersfield had the lowest birth rate amongst the 33 large towns, the highest being 36·9 and 35·9 per 1,000 in Liverpool and Salford respectively.

The subjoined Table shews the quarterly number of births of males and females.

1895.	Males.	Females.	Totals.	Birth-rate.
1st Quarter.	294	257	551	22·23
2nd ,,	249	255	504	20·33
3rd ,,	283	267	550	22·19
4th ,,	268	278	546	22·03
Totals...	1094	1057	2151	21·70

Births of the Huddersfield Poor Law Union.

Sub. Reg. District.	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895
Huddersfield ...	1274	1277	1320	1305	1269	1313	1293	1233	1292	1111	1127	1057	1114	1001	1062	950	1002
Almondbury ...	443	454	413	436	404	440	410	363	394	374	383	359	362	321	355	302	332
Kirkheaton.....	427	457	460	437	298	374	448	391	397	412	394	349	367	380	372	335	334
Kirkburton ...	404	348	387	355	341	371	317	330	382	338	346	298	328	303	278	297	286
New Mill	221	221	212	194	207	196	196	202	185	167	174	154	183	157	159	140	162
Holmfirth	315	314	305	314	307	289	299	278	268	273	290	241	262	231	234	223	214
Honley / Meltham	400	408	408	378	355	373	351	334	376	342	329	323	345	336	303	258	294
Lockwood	473	511	512	503	510	544	508	484	473	507	463	449	455	459	438	395	484
Slaithwaite	253	244	293	283	279	294	283	249	254	260	245	249	273	308	315	295	274
Golcar	652	609	674	651	707	680	651	662	660	640	657	552	582	610	591	493	502
Totals...	4862	4843	4984	4856	4777	4874	4756	4526	4681	4424	4408	4031	4271	4106	4107	3688	3884

For the information relating to the Poor Law Union I am indebted to Mr. Hall, Clerk to the Guardians.

Analysis of the Vital and Mortal Statistics of Thirty-three of the Largest English Towns during the Year 1895.

Towns.	Estimated Population middle of 1895.	Births.	Deaths.	Annual Rate per 1,000 Living.			Deaths of Children under one year of age, to 1,000 births.	Rate per cent. of Uncertified Deaths.
				Births.	Deaths.	Principal Zymotic Diseases		
33 Towns.....	10,591,530	330,896	218,165	31·3	20·7	2·8	182	1·5
London	4,392,346	133,715	86,937	30·5	19·8	2·6	166	0·7
West Ham.....	249,473	8,541	4,447	34·3	17·9	3·2	168	2·7
Croydon	114,923	2,896	1,658	25·3	14·4	1·3	134	—
Brighton	119,604	3,057	2,252	25 6	18·9	1·8	164	1·6
Portsmouth	174,751	4,868	3,108	27 9	17·8	2·1	175	0·8
Plymouth	89,096	2,551	1,787	28·7	20·1	1·9	178	0·3
Bristol	228,139	6,579	4,109	28·9	18·1	1·3	143	1·1
Cardiff	155,637	5,321	2,826	34 3	18·2	2·4	179	1·0
Swansea	97,008	3,231	1,767	33·4	18·3	1·7	178	1·1
Wolverhampton	85,780	3,027	2,086	35·4	24 4	4·2	218	0·6
Birmingham	496,751	16,026	10,048	32·4	20·3	2·7	183	4·8
Norwich	107,127	3,398	2,066	31·8	19·3	2·7	190	1·6
Leicester	193,839	5,954	3,333	30·8	17·2	3·0	203	3·1
Nottingham	226,658	6,718	4,299	29·7	19 0	2·2	190	1·3
Derby	100,272	2,909	1,670	29·1	16·7	2·0	161	0·5
Birkenhead	107,469	3,288	2,093	30·7	19 5	2·4	174	1·1
Liverpool	503,967	18,525	14,469	36·9	28·8	4·0	210	3·0
Bolton	119,337	3,921	2,852	32·9	24·0	4·5	212	0·3
Manchester	524,865	17,624	13,205	33 7	25·2	3·7	203	1·2
Salford	208,253	7,454	5,327	35·9	25·6	5·0	231	2·3
Oldham	141,079	3,873	3,091	27 5	22·0	2·8	190	3·2
Burnley	99,591	3,189	2,322	32·1	23·4	3·9	242	1·9
Blackburn	127,615	3,899	3,093	30·6	24·3	5·6	236	2·8
Preston	112,638	3,753	2,684	33·4	23·9	3·8	248	3·6
Huddersfield	**99,482**	**2,150**	**1,675**	**21·7**	**16·9**	**1·2**	**158**	**3·3**
Halifax	93,813	2,193	1,805	23·4	19·3	1·3	158	2·0
Bradford	226,384	5,890	4,482	26·1	19·9	2·5	203	1·0
Leeds	395,546	12,479	8,083	31·6	20·5	2·7	191	0·6
Sheffield	342,768	11,913	6,994	34·9	20·5	3·2	197	3·1
Hull	216,722	7,392	4,504	34·2	20·8	3·3	205	4·0
Sunderland	137,705	4,819	2,992	35·1	21·8	3·5	189	1·2
Gateshead.....	95,871	3,306	1,872	34·6	19·6	2·6	186	0·8
Newcastle-on-Tyne	207,021	6,437	4,229	31·2	20·5	2·5	186	1·1

Deaths.

The number of deaths at all ages registered in the Borough for the year 1895 was 1,699—males, 915 ; females, 784. Of the total deaths no less than 152 occurred in Public Institutions, viz. :— 89 Workhouse, 52 Infirmary, and 11 Infectious Hospital. 11 deaths occurred in Deanhouse Workhouse from persons who lived in the Borough, while 35 deaths occurred amongst patients in the Borough Institutions from outside the Borough.

The following Table displays the age mortality, with the percentage to total deaths during the past three years.

DEATHS.		1st quarter	2nd quarter	3rd quarter	4th quarter	Total	Percentage to Total Deaths.
Under 1 year of age	**1895**	**113**	**54**	**88**	**85**	**340**	**20**
	1894	96	68	55	99	318	20
	1893	75	77	96	77	325	19
Between 1—5	**1895**	**54**	**46**	**47**	**38**	**185**	**11**
	1894	45	44	38	57	184	11
	1893	51	53	34	57	195	12
Between 5—15	**1895**	**22**	**17**	**18**	**22**	**79**	**5**
	1894	23	26	15	19	83	5
	1893	18	18	21	23	80	5
Between 15—25	**1895**	**27**	**25**	**29**	**20**	**101**	**6**
	1894	25	28	23	25	101	6
	1893	26	30	16	30	102	6
Between 25—50	**1895**	**99**	**83**	**80**	**67**	**329**	**19**
	1894	94	65	78	78	315	20
	1893	97	76	83	89	345	20
Between 50—60	**1895**	**67**	**53**	**33**	**38**	**191**	**11**
	1894	45	41	44	35	165	10
	1893	51	53	49	46	199	12
Between 60—80	**1895**	**169**	**98**	**72**	**85**	**424**	**25**
	1894	110	90	68	88	356	22
	1893	109	100	88	93	390	23
80 and upwards	**1895**	**19**	**14**	**7**	**10**	**50**	**3**
	1894	11	13	5	12	41	2
	1893	17	13	13	16	59	3

The following Table gives the total Monthly and Yearly number of Deaths, both Male and Female, with the approximate average age at death.

	Total Number of Deaths.			Approximate Average Age at Death.		
	Males.	Females.	Both Sexes.	Males.	Females.	Both Sexes.
January	111 ...	88 ...	199	22·40	40·40	31·40
February ...	86 ...	82 ...	168	40·81	44·58	42·69
March	100 ...	103 ...	203	29·96	43·16	36·56
April	70 ...	67 ...	137	35·96	41·49	38·72
May	84 ...	63 ...	147	34·44	41·70	38·07
June	61 ...	45 ...	106	34·92	38·00	36·46
July	70 ...	44 ...	114	28·46	28·84	28·65
August	70 ...	57 ...	127	31·39	30·89	31 14
September ...	73 ...	60 ...	133	28·96	31·87	30·41
October	85 ...	63 ...	148	22·61	31·54	27·07
November ...	59 ...	59 ...	118	28·10	37·83	32·96
December ...	46 ...	53 ...	99	38·15	42·94	40·54
Whole Year 1895	915 ...	784 ...	1699	31·35	37·77	34·56
1894	819 ...	744 ...	1563	31·53	34·88	32·20

The following Table gives the Births and Deaths, with the excess of Births over the Deaths for the past twenty-five years.

Year.	Births.	Deaths.	Excess of Births over Deaths.
1895	2151	1699	452
1894	1988	1563	425
1893	2311	1695	616
1892	2214	1746	468
1891	2324	2189	135
1890	2167	1804	363
1889	2276	1738	538
1888	2243	1686	557
1887	2487	2063	424
1886	2385	1727	658
1885	2530	1745	785
1884	2576	1707	869
1883	2488	1799	689
1882	2562	1857	705
1881	2567	1665	902
1880	2545	1797	748
1879	2598	1871	727
1878	2759	1733	1026
1877	2705	1735	970
1876	2664	1760	904
1875	2735	1770	965
1874	2571	1585	986
1873	2641	1525	1116
1872	2682	1674	1008
1871	2555	1597	958

The following Table displays the various causes of death amongst children under one year of age, in the various quarters of the year and according to sex.

1895.	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		Males	Females	Total
	M.	F.	M.	F.	M.	F.	M.	F.			
Measles (4), Diphtheria (2)	1	...	...	...	1	1	2	1	4	2	6
Whooping Cough (12), Diarrhœa (28)	4	1	2	1	11	8	9	4	26	14	40
Syphilis (10), Erysipelas (1)	3	2	...	...	1	1	3	1	7	4	11
Tubercular Meningitis (3), Phthisis (2)	1	...	2	...	1	...	1	...	5	...	5
Tuberculosis (1)	1	...	...	...	...	...	...	...	1	...	1
Premature Birth (37)	7	6	3	2	8	...	6	5	24	13	37
Congenital Malformations (9)	2	...	1	1	3	...	1	1	7	2	9
Meningitis (10), Convulsions (53)	13	9	7	8	6	4	10	6	36	27	63
Croup (2), Bronchitis (37)	13	5	2	2	4	2	6	5	25	14	39
Pneumonia (16), Dentition (11)	6	7	4	...	2	3	3	2	15	12	27
Gastritis (14)	1	2	2	1	3	2	3	...	9	5	14
Obstructive disease of Intestine (3)	...	...	1	...	1	...	1	...	3	...	3
Atrophy (3), Debility (9)	2	...	3	4	1	2	...	...	6	6	12
Inanition (5), Marasmus (27)	7	1	2	1	11	3	2	5	22	10	32
Not specific or ill-defined (16)	4	1	1	...	3	1	4	2	12	4	16
Other Diseases (25)	9	5	2	2	4	1	2	...	17	8	25
	74	39	32	22	60	28	53	32	219	121	340
Total	113		54		88		85		340		

The Analysis of Death Causes.

All death causes are conveniently arranged under various headings, and the subjoined Table, a summary of Table VI. (Appendix) shews the death-rates per 1,000 living in the Borough, according to the Registrar General's classification of diseases.

	1895	1894	1893
1. Specific Febrile Diseases—			
Zymotic	1·30	1·52	1·38
Malarial	0·51	0·11	0·33
Venereal	0·12	0·05	0·07
Septic	0·13	0·13	0·14
2. Parasitic Diseases	...	...	...
3. Dietic Diseases	0·09	0·02	0·04
4. Constitutional Diseases	3·60	3·44	3·27
5. Developmental Diseases	1·39	1·29	1·30
6 Local Diseases—			
Nervous System	2·57	1·96	2·23
Circulatory ,,	1·02	1·24	1·26
Respiratory ,,	3·16	3·03	3·76
Digestive ,,	1·00	0·94	1·20
Urinary ,,	0·42	0·50	0·43
Reproductive ,,	0·11	0·12	0·09
Bones and Joints	0·10	0·04	0·07
Integumentary System	...	...	0·02
7. Violence	0·45	0·39	0·37
8. Ill-defined and not specified causes	1·15	1·13	1·42

Table showing the number of cases of **Scarlet Fever** known to have existed in Huddersfield, during the years 1886—1890, and 1891—1895, with cases heard of in the several quarters of these years, and the deaths registered from the same disease; also the average cases and deaths per quarter in the five years 1886—1890, and 1891—1895.

Quarters.	1886		1887		1888		1889		1890		Average of five years 1886-1890.		1891		1892		1893		1894		1895		Average of five years 1891-1895.	
	Cases	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
I.	91	9	45	4	128	13	72	3	29	1	73	6	46	4	71	3	81	4	112	8	103	6	83	5
II.	96	6	72	5	86	9	119	6	28	1	80	5	76	7	100	6	188	6	107	2	132	6	121	5
III.	130	10	178	2	62	4	107	15	73	3	110	7	113	11	102	6	130	6	116	4	149	6	122	7
IV.	53	8	231	20	50	1	57	2	71	2	92	7	106	8	81	3	180	9	127	9	155	2	129	6
	370	33	526	31	326	27	355	26	201	7	355	25	341	30	354	18	579	25	462	23	539	20	455	23

The quarter in each case, is calculated as 13 weeks.

For death rate, see Table VII. in appendix.

The following Statement of the various occupations followed by the parents of Scarlet Fever patients afford some idea of many ways the infection of Scarlet Fever may be carried

Master Manufacturers, Engineers, &c.		20
Ministers, Doctors, Insurance Agents	19	28
Commercial Agents and Travellers	9	
Clerks, Warehousemen		19
Smiths, Engineers, Mechanics		26
Millhands—Cotton	6	79
,, Woollen	60	
,, Dyers	13	
Out-door Workers—Labourers...	46	113
,, ,, Coachmen, Teamers, &c...	24	
,, ,, Police, Postmen, Tram, &c., Servants	19	
,, ,, Masons and Delvers ...	8	
,, ,, Painters	10	
Miners	6	
Boot and Shoe Makers	4	57
Tailors	8	
Joiners	21	
Shopkeepers	24	
Women Householders	19	22
Charwomen	3	
No Occupation stated		11
		375

The 539 cases notified occurred in 375 houses as follows :—

One case each in	267	households	...	267	cases.
Two cases	,, 74	,,	...	158	,,
Three	,, ,, 25	,,	...	75	,,
Four	,, ,, 7	,,	...	28	,,
Five	,, ,, 1	,,	...	5	,,
Six	,, ,, 1	,,	..	6	,,
	375			539	

Table shewing the number of cases of **Enteric Fever** known to have existed in Huddersfield during the two periods 1886—1890, and 1891—1895, with cases heard of during the several quarters of the years of these periods, and the deaths registered, also the average cases and deaths per quarter in the five years 1886—1890, and 1891—1895.

Quarters.	1886		1887		1888		1889		1890		Averages of five years 1886-1890.		1891		1892		1893		1894		1895		Averages of five years 1891-1895.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
I.	13	3	7	1	15	2	10	1	14	9	12	3	4	1	6	1	10	1	5	2	1	...	5	1
II.	9	2	4	1	11	3	14	4	2	3	8	3	5	4	1	1	3	...	5	3	13	3	5	2
III.	9	2	18	3	11	4	16	4	20	5	15	3	19	4	10	3	21	4	11	1	19	2	16	3
IV.	14	5	19	4	19	2	10	1	26	6	17	4	10	6	5	1	23	8	10	5	27	1	15	4
Year.	45	12	48	9	56	11	50	10	62	23	52	13	38	15	22	6	57	13	31	11	60	6	41	10

In comparing these figures we must not forget the increase of population.

For the death rates see Table VII. in Appendix.

Sanitary Conditions of Premises in which Typhoid cases have occurred during 1895.

Sinks:—

Disconnected Outside	34
,, Inside	4
Trapped and Direct	5
Untrapped and Direct	5
No Sink	5
Total Houses involved ?	53

Outside Drains:—

Piped and Trapped	28
,, ,, and Ventilated	17
Untrapped	2
Stone Drains	2
No Drain Outside	4
	53

Cellar Drains:—

Trapped	7
Untrapped	3
Trapped and Disconnected	2
None	41
	53

Class of Closet:—

Water Closets	16
Tub ,, ...	35
Midden Privies	2
	53
Additional Tub Closets where W.C.'s are inside	7

Houses to Closets:—

1	House to a	Closet in	27 cases.
2	,, ,,	20	,,
3	,, ,,	6	,,
		53	,,

Synopsis Typhoid Cases, 1895.
No. of Cases, 60.

Districts Affected :—

Central, W.		16 cases.
,, N.		4 ,,
,, S.		3 ,,
,, E.		3 ,,
Lockwood		5 ,,
Crosland Moor		1 ,,
Salford, Newsome & Berry Brow		4 ,,
Fartown		6 ,,
Deighton and Bradley	...	3 ,,
Moldgreen, &c.		3 ,,
Paddock		5 ,,
Marsh and Lindley		5 ,,
Longwood		2 ,,
Total		60

Monthly Distribution :—

February		1 case
April		7 ,,
May		3 ,,
June		3 ,,
July		5 ,,
August		6 ,,
September		8 ,,
October		17 ,,
November		6 ,,
December		4 ,,
Total		60

The following letter with regard to precautions against the spread of Typhoid Fever was sent to the Press.

TYPHOID FEVER.

TO THE EDITOR.

Sir,—For some years past our County Borough has been remarkably free from so-called Typhoid or Enteric Fever, but the prolonged and excessive warm weather of July and August and late September, coupled with a diminished rainfall, makes those best acquainted with the natural history of Typhoid Fever apprehensive of some increase in the number of cases of this disease; and, indeed, my excuse for troubling you at this time is the fact, that what is, for us, an unusually large number of cases has been reported to this office, and while this need occasion no alarm, one feels that, in Typhoid Fever more perhaps than any other disease, to be "forewarned is to be forearmed," and the intelligent public can aid the Health Department not a little. Speaking generally, Typhoid Fever is chiefly disseminated by means of polluted water or contaminated milk, or other food stuffs. Fortunately for us we may take it that our water supply is above suspicion. I wish the same could be said of our milk supply, which is not only local but is largely imported from a distance. It is obvious, therefore, that we are unable to exercise any control over the sanitary arrangements of the farms from which much of our milk supply is derived, and as a measure of precaution I would strongly urge the thorough boiling of all milk before use in the household. As additional precautions, I should advise the frequent flushing of the house drains by dashing down buckets of water charged with liquid disinfectants. This is a precaution of the utmost importance, and one which everybody may take. It should be remembered that the drains around one's house require as much attention as the chimney of the house, because in the former filth is liable to accumulate just as soot is in the latter. The ashpit also should be kept free from animal or vegetable or putrescible materials, which are best burned in the kitchen fire. The filthy habit of pouring "slops" into the gullies in the street is not only offensive to the sense, but dangerous to the health of the community. I would add that we will supply disinfectants gratuitously to those unable to purchase them, and that our active assistance is at the disposal of everyone who is at all suspicious of the sanitary condition of their dwellings.

Permit me to thank you for your courteous favour.—

I am, yours faithfully,

JAMES ROBERT KAYE,
Medical Officer of Health.

Ramsden Street, Huddersfield,
October 31st, 1895.

WARD MAP
OF THE
COUNTY BOROUGH
OF
HUDDERSFIELD.



— REFERENCE —

Highest Altitudes shewn thus ◎

River Basin at + in Central Ward 200ft

ENTERIC FEVER O

DIPHTHERIA X

— Scale 1 Inch - 1 Mile. —

Tubercular Diseases.

Much importance attaches to Tubercular Disease in view of the fact that we now know that this disease is due to a special organism, that it can be prevented, and that it is largely influenced by sanitary surroundings.

The material containing the infective germ is the expectoration of the patient, which is ejected without any restrictions on the floor of dwellings, in public vehicles, and on the highways, with the result that the infected material is dried, pulverised, and gets blown about as dust, which is inhaled by other persons, and if it happens that the infective material settles on suitable soil, for example in the weakened lung tissue of those tainted with hereditary pre-disposition, then the entrance of the germ may mean the setting up of the disease in the person. We must not forget, however, that the disease may sometimes arise, though not so frequently, by the infection being swallowed in articles of food, such as tubercular meat, or tubercular-tainted milk. The infection by either source is aggravated by conditions resulting from over-crowding. The importance of these facts are becoming well recognised, but, unfortunately, little or no attempt is made to follow out rules likely to minimise the disease. It cannot be too widely known that Consumption is infective, and that disinfection of the premises occupied by a consumptive patient should be frequently carried out, and in fatal cases I am pleased to report that the requests for disinfection of the premises are on the increase. The following are the trades or occupations of those who have succumbed to the disease. In tabular form there is also displayed the incidents of the disease in families in certain dwellings and at the various seasons of the year.

Phthisis.

Trade or Occupation.	Males.	Females.	Total.
Domestic Occupations		40	40
Labourers	18	...	18
Millhands, not classified ...	14	7	21
Cloth Weavers	9	3	12
Cloth and Silk Dressers... ...	1	1	2
Menders and Knotters		7	7
Rag Sorters	1	1	2
Tailors and Tailoresses	2	2	4
Dressmakers and Milliners		3	3
Clerks and Chemists	7	...	7
Warehousemen	5	...	5
Shopkeepers	2	1	3
Saddlers and Curriers	2	...	2
Butchers and Fishmongers ...	3	...	3
Confectioners	1	...	1
Teachers and Travellers ...	1	4	5
Teamers	4	...	4
Mechanics	9	...	9
Joiners and Painters	5	...	5
Plasterers and Plumbers ...	2	...	2
Stonemasons	6	. .	6
Hawkers	2	...	2
Gardeners and Farmers... ...	5	..	5
Soldiers	1	. .	1
Scholars	1	4	5
Children at Home	5	6	11
No Occupation stated	7	3	10
	113	82	195

Amongst 195 deaths it was found that in 87 families deaths from the same disease had previously occurred, thus :—

In 61 families 1 death.
„ 14 „ 2 deaths.
„ 6 „ 3 „
„ 5 „ 4 „
„ 1 „ 6 „

1	death	occurred in	a Cellar Dwelling.
6	deaths	,,	1 roomed Houses.
47	,,	,,	2 ,, ,,
65	,,	,,	3 ,, ,,
33	,,	,,	4 ,, ,,
22	,,	,,	5 ,, ,,
13	,,	,,	Houses over 5 rooms.
7	,,	,,	the Workhouse.
1	,,	,,	the Infirmary.

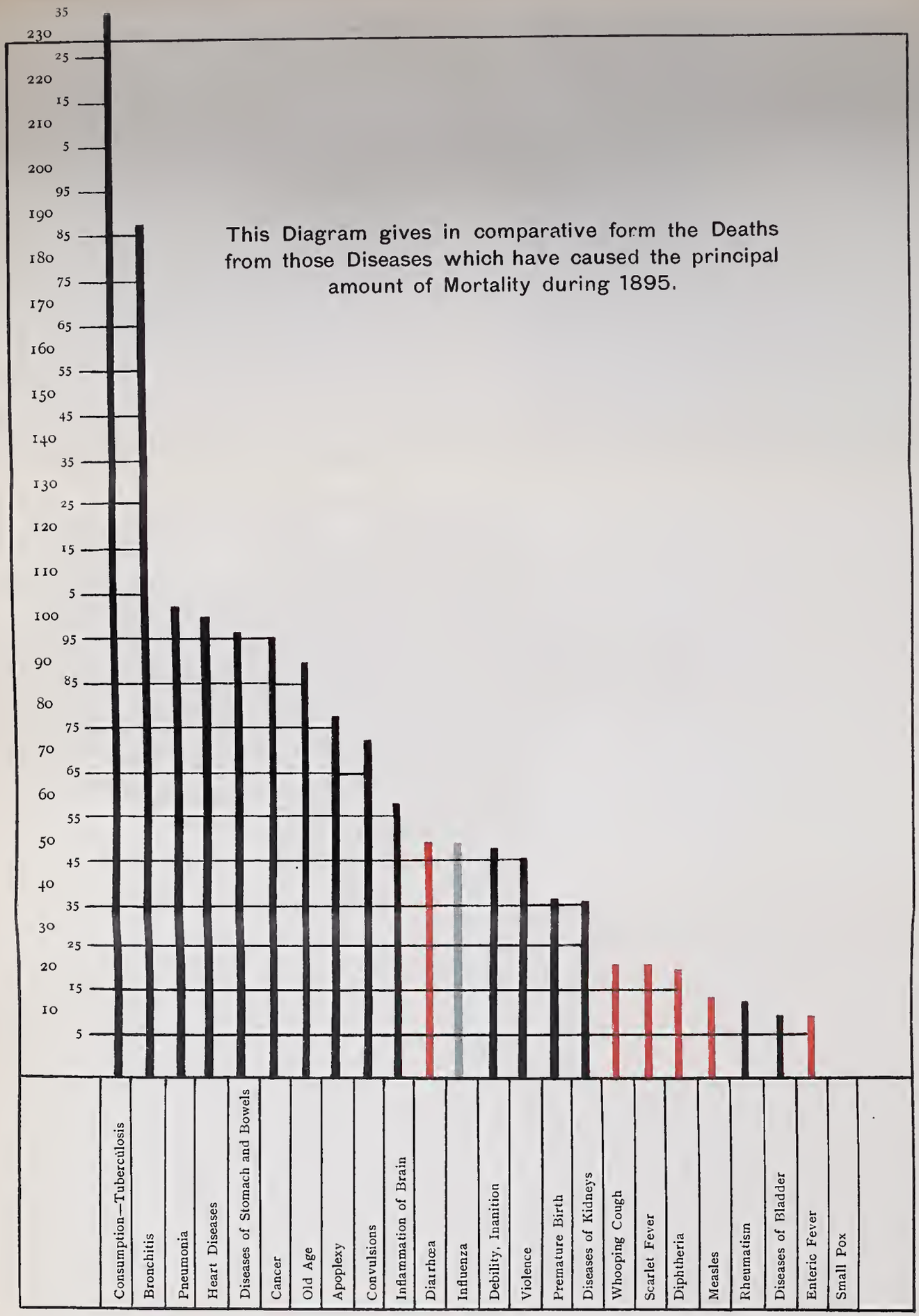
1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.
53	56	47	39

The increase in the number of deaths ascribed to Cancer has excited the interest of several members of the Committee, and herewith I give the numbers yearly ascribed to Cancer in one form or another since 1881.

Year.	Population.	Number of deaths from Cancer.	Death Rate per 1,000 of the population.	
1881	82,113	26	0·32	
1882	83,271	32	0·51	
1883	84,450	48	0 57	0·54
1884	86,004	57	0·67	
1885	87,327	54	0·62	
1886	88,670	50	0·57	
1887	90,034	57	0·63	
1888	91,419	70	0·77	0·68
1889	92,825	58	0·62	
1890	94,253	75	0·79	
1891	95,656	78	0·81	
1892	96,599	75	0·78	
1893	97,552	80	0·82	0·84
1894	98,511	82	0·83	
1895	99,482	95	0·96	

Analysis of Infectious Cases reported during the 52 weeks ended December 28th, 1895.

DISTRICTS.	Measles	Scarlet Fever	Diphtheria	Mem. Croup.	Enteric	Erysipelas	Puerperal Fever	Doubtful	AGES	TOTALS
Central Wards..	2	16	2	1	...	...	...	2	Under 5...	23
	..	65	4	...	24	2	1	5	Over 5...	101
Marsh	...	3	1	...	...	...	...	...	Under 5...	4
	...	25	1	..	7	...	...	2	Over 5...	35
Fartown	...	24	1	...	...	...	...	...	Under 5..	25
	...	74	2	...	6	1	...	3	Over 5...	86
Deighton and Bradley ...	...	11	...	1	...	...	...	...	Under 5...	12
	...	32	1	..	3	...	...	...	Over 5...	36
Dalton	...	5	...	...	...	...	...	1	Under 5...	6
	...	18	3	...	1	...	1	3	Over 5...	26
Almondbury ...	...	27	1	...	..	...	...	2	Under 5...	30
	...	77	5	...	4	...	...	5	Over 5...	91
Lockwood	2	26	5	...	...	...	...	4	Under 5...	37
	..	100	3	...	8	...	1	11	Over 5...	123
Lindley	...	7	2	...	...	...	...	...	Under 5...	9
	...	14	1	...	3	...	...	..	Over 5...	18
Longwood	1	3	1	...	...	...	...	...	Under 5...	5
	...	7	...	...	2	1	1	1	Over 5...	12
Workhouse, Crosland Moor	...	...	...	...	...	...	...	...	Under 5...	...
	...	4	...	...	...	...	...	...	Over 5 .	4
Infirmary.....	...	...	..	. .	...	...	...	...	Under 5...	. .
	...	1	1	...	2	1	...	...	Over 5...	5
Whole Borough	5	122	13	2	...	...	...	9	Under 5...	151
	...	417	21	...	60	5	4	30	Over 5...	537


This Diagram gives in comparative form the Deaths from those Diseases which have caused the principal amount of Mortality during 1895.
35
230
25
220
15
210
5
200
95
190
85
180
75
170
65
160
55
150
45
140
35
130
25
120
15
110
5
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
Consumption—Tuberculosis
Bronchitis
Pneumonia
Heart Diseases
Diseases of Stomach and Bowels
Cancer
Old Age
Apoplexy
Convulsions
Inflammation of Brain
Diarrhœa
Influenza
Debility, Inanition
Violence
Premature Birth
Diseases of Kidneys
Whooping Cough
Scarlet Fever
Diphtheria
Measles
Rheumatism
Diseases of Bladder
Enteric Fever
Small Pox
represents Deaths from Infectious Diseases.
,, ,, ,, Ordinary Diseases.
,, ,, ,, Influenza.

The following is the Report of patients in the hospital for 52 Weeks ended Saturday, 28th December, 1895.

	Small pox	Scarlet Fever	Diphtheria	Enteric, or Typhoid Fever	Other, or doubtful cases	Total
Number in hospital on Saturday, 29th of December, 1894 ...	...	46	...	1	...	47
Number since admitted	...	489	..	11	...	500
Number discharged	...	449	...	10	...	459
Number Died	...	9	...	2	...	11
Number remaining in hospital ...	...	77	...	...	...	77

Table shewing the rates of Mortality in Huddersfield for the year 1895, and **each of its quarters,** from all causes, from the seven zymotic diseases, from consumption and other lung diseases, and the ratio of the Deaths in children under one to a thousand births in the same periods, with the corresponding Death-rates in the 33 great towns.

Quarter.	HUDDERSFIELD.				33 TOWNS.		
	All Causes.	Seven Zymotics.	Consumption, &c.	Children under one per 1,000 births.	All Causes.	Seven Zymotics.	Children under 1.
I.	23·00	0·85	6·94	205	25·20	1·62	161
II.	15·73	0·81	4·88	107	17·84	1·71	140
III.	15·09	2·06	3·51	160	20·19	4·98	252
IV.	14·73	1·49	4·47	156	19·45	3·04	179
Year 1895	17·14	1·30	4·96	158	20·67	2·84	183

Similar Table for 1894.

Quarter.	HUDDERSFIELD.				33 TOWNS.		
	All Causes.	Seven Zymotics.	Consumption, &c.	Children under one per 1,000 births.	All Causes.	Seven Zymotics.	Children under 1.
I.	18·29	1·18	5·83	175	20·96	2·41	154
II.	15·28	1·59	4·44	153	17·43	2·55	132
III.	13·28	1·47	3·30	114	16·38	2·78	169
IV.	16·83	1·83	5·05	194	17·76	1·97	155
Year 1894	15·92	1·52	4·65	160	18·14	2·43	152

With regard to the Meteorology of the year, a digest of the monthly conditions will be found in the following Table, but I should like to record here that during 1895, Huddersfield, for the first time, has sent up weekly observations for insertion in the weekly returns to the Registrar General. I have to thank Mr. Firth, at the Cemetery, for the trouble he has taken in doing this.

Abstract of Monthly Meteorological Observations for the Year 1895.

1895. MONTH.	Mean Barometer, inches.	Mean Thermometer °F	Mean Diurnal Range °F	Mean Height Earth Thermometer 4ft. 6in.	Mean Height Earth Thermometer 2ft. 6in.	Mean Moisture of Air, %	Total Rainfall (inches)	Prevailing Wind.	Velocity of the Wind, miles per hour.	Highest recorded Temperature in the sun.	Highest recorded Temperature in the shade.	Lowest recorded Temperature in the night.	Lowest recorded Temperature on the grass.	Total number of Deaths.
January ...	29·56	30·5	7·7	42°	37°	74·9	3·92	See Table X.	30	58°	38°	21°	20°	199
February	29·91	28·8	12·2	39°	34°	71·0	0·41		24	69°	39°	13°	11°	168
March	29·52	41·1	12·4	38°	36°	74·1	2·44		34	87°	53°	29°	25°	203
April	29·71	45·1	15·4	40°	42°	66·9	2·52		34	99°	58°	31°	27°	137
May.....	30·02	52·6	19·9	45°	49°	60·4	1·38		29	105°	70°	37°	36°	147
June	30·06	57·2	20·9	49°	55°	60·0	3·25		25	117°	77°	40°	39°	106
July.....	29·76	59·2	16·7	53°	57°	66·6	6·39		24	115°	73°	48°	47°	114
August.....	29·81	60·7	16·2	54°	58°	69·1	1·97		29	114°	75°	48°	46°	127
September.....	30·06	59·3	19·9	55°	57°	71·1	0·86		24	108°	77°	41°	39°	133
October..	29·83	44·1	12·1	53°	50°	76·9	3·61		28	83°	57°	30°	28°	148
November.....	29·69	43·9	9·2	48°	45°	80·1	3·66		36	70°	53°	33°	30°	118
December.....	29·60	36·6	7·1	45°	42°	80·3	4·04		43	59°	45°	28°	26°	99
Average ...	29·79	46·6	14·1	47°	47°	70·9	34·45		30	90°	60°	33°	31°	1699

The epitome of the Sanitary labour accomplished during the year will be found in the following Table :—

SUMMARY.

	1st quarter	2nd quarter	3rd quarter	4th quarter	Total
Inspection of premises for Nuisances	461	403	453	543	1861
Do. premises where offensive trades are conducted	31	32	18	30	111
Do. Dwellinghousesin house to house visitation	33	172	350	154	707
Do. Workshops	28	150	80	15	273
Do. Schools	...	2	.	2	
Do. Slaughter Houses	...	...	...	1	
Do. Canal Boats	100	57	54	57	268
Do. Dairies and Milkshops	2	29	3	1	35
Do. Cowsheds	4	133	129	26	292
Do. Bakehouses	31	21	18	23	93
Do. Markets	daily	daily	daily	daily	daily
Do. Show Vans	2	85	38	...	125
Do. of premises where no nuisance is found	247	362	568	391	1568
Total Number of Inspections of Premises	939	1446	1711	1243	5339
Revisits to work in progress	227	183	184	475	1069
Visits to see if notices are being attended to ...	91	97	118	101	407
No. of premises visited where Zymotic diseases have occurred	79	121	131	138	469
Do. inspected do. do. ...	79	121	131	138	469
Do. disinfected do. do. ...	91	125	148	136	500
Do. visited searching for Fever do. ...	29	642	195	657	1523
Total Number of visits to infected houses	306	320	436	496	1558
Do. revisits where cases are isolated at home	95	119	136	149	499
Infectious diseases reported	121	176	184	207	688
Cases removed to Hospital	102	121	136	141	500
Number of articles disinfected by Lyon's disinfector	2432	3004	3927	3520	12883
Number of houses cleansed, repaired or whitewashed	3	25	16	11	55
Preliminary notices to owners	76	119	130	85	410
Owners seen personally	71	72	117	157	417
Number of legal notices issued for abatement or abolition of nuisances	21	8	13	11	53
Notices handed over to Borough Surveyor's Department by request of Committee	3	12	3	8	26
Do. do. owner	10	10	10	15	45
Letters written...	288	380	334	401	1403
Nuisances reported at Sanitary Office	24	42	69	33	168
Do. inspected	24	40	69	32	165
Summonses taken out	...	3	1	...	4
Smoke observations taken	9	36	18	2	65
Old Privies abolished	4	1	7	5	17
Number of Tub Closets registered	16	36	39	20	111
Do. applications received to empty Ashpits ...	650	794	223	210	1877
Do. do do. Tubs ...	176	89	44	37	346
Do. Receptacles emptied	117054	122355	117919	122619	479947
Do. visits under Food and Drug Acts ...	51	50	39	24	164
Meat, seizures made or destroyed...	...	...	2 Carcases Pigs	...	2 Carcases Pigs
Fish	...	...	6 Bags Mussels	...	6 Bags Mussels
Fruit	...	...	30 Bags Pears	...	30 Bags Pears
Food and Drugs—samples purchased	39	29	20	12	100
Do. adulterated	4	1	1	...	6

It is needless to say these figures do not convey any adequate idea of the work performed, but they are certainly an evidence to you that the officers have been endeavouring to fulfil their duties. Sanitary work, like housewives' work, is never finished. The proper sanitary condition of a town depends on so many things that one or more of them are daily getting out of order, and hence inspection and work must be continuous. It has been said that there is no finality in sanitary improvement, but much vexation of spirit would be avoided if the true principle of sanitary work, as far as house drainage is concerned, was properly carried out. What can be simpler than to keep the drains outside the house?

A few Cases of Bad Drainage remedied during 1895.

Situation.	Folio.	State of Drainage.	Remedy.
William Street	8	Three houses, cellars flooded with sewage. On drains being exposed, found that the yard drain and sink water flowed into these cellars in a stone drain which extended through the three houses and had an outlet to the street sewer in the middle house, which was choked.	Had the cellar drain taken out and the outlet closed with cement concrete. The yard drain and the sink wastes were provided for by a new pipe drain laid outside the house, discharged through a disconnecting chamber and ventilated at highest point.
Northgate	50	Stone drain running through basement of three houses and beerhouse, receiving three sinks and a urinal, and directly connected to sewer; foundation soaked with sewage, and foul smells pervaded the premises.	Drainage reconstructed. Urinal and back sinks provided with separate pipe connection to the sewer; front areas dealt with in same way, and all fully ventilated. All inside drains taken out.

Situation.	Folio.	State of Drainage.	Remedy.
Prospect Street	203a	Untrapped pipe drains in basement of two houses, with pan W.C.'s connected to the same drains, which were unventilated. Foul smells pervaded the house, and a fatal case of Enteric Fever occurred in one of the houses.	Had drains relaid and properly trapped and ventilated at two points. The pan W.C.s were removed and wash-down closets substituted for same. N.B.—The houses were considered to be sanitarily perfect previously.
Kirkmoor Place	70	Fourteen houses in yard, with stone drains untrapped and connected to a 12 in. pipe drain, intercepted at two points by deep cesspools covered by iron plates. Sink pipes directly connected to the drains and no ventilation for the drains.	Had house drains reconstructed, piped, and trapped, all sink wastes discontinued, three ventilating shafts erected; the cesspools filled up to level of drain and channel pipes fixed across each.
Belmont Street	213	Water closet drain, when exposed, revealed badly-jointed pipes leaking under keeping cellar and into adjoining property; pipes laid without adequate fall and in part they were laid uphill. Unventilated drain through basement, and the whole directly connected to sewer. Foul smells through house. Soil pipe ventilated immediately under study window. General ill-health of some of the inmates of the house.	Had drains relaid with even fall throughout; the soil pipe was continued to eaves of house; the basement drain was ventilated at highest point, and passed through a ventilated disconnecting trap to the sewer.

Situation.	Folio.	State of Drainage.	Remedy.
Paddock	91-10	Dry iron trap in cellar, direct with main sewer. Pan W.C. into same drain. No ventilation shaft.	Cellar drain dispensed with. Modern wash-down closet substituted. Drain ventilated.
Marsh	1035	Sink pipe discharged on to untrapped opening into walled drain running alongside footings of house.	New pot pipe drains laid with traps and dishstones and ventilation pipe.
Whitehead Road, Primrose Hill		Sink pipes direct with drain; drain partly walled and choked with sewage, leaking into basement room of adjoining property, causing the wall to be damp and house unhealthy.	Sink pipe disconnected; drain reconstructed and properly trapped. This basement room was used as a sleeping room.
Albert Street, Lockwood		Sink pipe direct with drain. Defective iron inlet in cellar; stone drain running underneath house direct with sewer draining several houses.	Typhoid Fever occurred in this house. The drains were all reconstructed, taken outside buildings, and disconnected from the main sewer.

Workshops.

The importance of sanitary science in this department is now fully recognised, and sanitary legislation is receiving proper recognition, as exemplified in the Factory and Workshops Act of 1891. It must be admitted that there are some trades which from their very nature are more or less unhealthy, but there are few in which there can be no improvement. With regard to factories, much good work has been done during the year in the provision of sanitary conveniences and their separation for the sexes.

The following Table displays the nature of the workshops visited during the year.

Description of Workshop.	New Workshops Inspected, 1895.	Workshops Re-inspected, 1895.
Tailors	16	29
Dressmakers and Milliners ...	42	27
Boot and Shoe Makers	16	28
Hearthrug Works	3	2
Rag and Waste Sorters	4	5
Joiners and Cabinet Makers ...	8	15
Brush Makers	1	2
Plumbers	4	1
Pianoforte Repairers	3	3
Saddlers	...	2
Tinplate Workers...	3	2
Wheelwrights	1	5
Jewellers	3	4
Smiths	1	5
Tripe Dressers	4	8
Curriers	2	. .
Upholsterers	1	2
Powder and Tea Packers... ...	2	...
Sugar Boilers	1	2
Basket Makers	1	2
	116	144
	260	
And one each of the following new workshops :— Painter, French Polisher, Picture Framer, Healder, Teazle Trimmer, Jam Boiler, Loom Fitter, Cooper, Silicate Weaver, Warper, Hat Cleaner, Bag Maker, Cigar Maker ...	13	
	273	

The total number of workshops now upon the register amounts to 590. In the register kept, details as to the lighting, ventilation, trade, number of workers, age and sex, sanitary conditions, &c., are duly entered, and records are made of every visit.

Several factories have been visited in consequence of notices received from Miss Anderson, H.M. Inspector of Factories, and matters relating to ventilation and sanitary accommodation for female workers have received the attention of the Inspectors.

The following figures relating to the meat trade have been kindly supplied to me by Mr. Matthewman.

Abattoir.	1895	1894
Beasts	3978	3681
Calves	1804	1807
Sheep.....	13521	14722
Pigs	6828	5531
Carcases brought in	844	912
Private Slaughter Houses.		
Beasts	874	1015
Calves	284	507
Sheep.....	2298	3145
Pigs	979	955
Total	31410	32275

Dairies, Cowsheds, and Milkshops.

Systematic inspections have been made throughout the year with regard to dairies, cowsheds, and milkshops. Inasmuch as milk forms the staple diet of infants, the importance of strict supervision must be obvious to all, because milk is one of those articles of food easily contaminated by exposure to foul gases, from decaying matter of any kind, and an excellent vehicle for the conveyance of the germs of infectious disease, because in milk the poison affords an excellent medium for multiplication of the poison. During the

year a large number of the cowsheds were visited by a Sub-Committee, and, with the exception of several instances, an improvement was noted.

Offensive Trades.

During the year we had several complaints with regard to premises in which offensive trades were carried on. One in the Fartown District due to the steaming of size. The size used at this place rapidly decomposes, and unless freshly used is apt to cause a sickly smell in the neighbourhood in the process of heating. The firm were recommended to cover over the vat with a lid, and to convey the steam either to the furnace grate, or into the chimney.

Several complaints were also received from the Lockwood District. In one of these cases there was a complication of processes going on—(1) soap boiling, sanctioned by the Corporation; (2) bone steaming, for which it appears no sanction is necessary; (3) manure making; (4) size boiling. A Committee visited the premises on several occasions, and after hearing the evidence of dwellers in the neighbourhood, determined to stop the nuisance. The requirements of the Corporation were as follows :—

(1) That no delay shall occur in the destruction of the bones immediately on their delivery at the premises.

(2) That no effluvia shall be permitted to escape from any part of the apparatus for bone boiling.

(3) That efficient cremation be provided for the destruction of all effluvia before emission from the chimney.

(4) That the smoke from the chimney shall be emitted so as not to inconvenience the occupants of the adjacent houses.

(5) That proper and adequate means be taken for cooling the products of the bone boiling before their removal from the pan, so as to prevent steam and effluvia escaping therefrom, and that when so removed such products shall forthwith be taken away from the premises.

(6) That no grinding or mixing of materials (which includes blood) for manure or any preparation thereof be carried out on the premises.

(7) That no blood shall be kept or stored on the premises.

(8) That no business of size boiling be carried on at the premises.

(9) That the surface of the yard, the floors and walls of the building shall be prepared according to the instructions noted in Paragraph 11 of the Model Bye-Laws issued by the Local Government Board with respect to slaughter houses.

(10) That proper and adequate provision should be provided for the workmen whose duty it is to fill the pan with raw bones.

(11) That free access to every part of the premises shall be afforded to any officer of the Sanitary Authority at all times.

(12) That no nuisance shall be permitted on the premises at any time.

The firm agreed to these conditions laid down, but afterwards considered it better to remove into a country district away from inhabited places.

Flooding of Cellars.

During the year a number of complaints have been received with regard to the flooding of cellars after heavy rainfalls. Altogether, 106 houses, mostly at the Artizan Dwellings, in Lowerhead Row and Leeds Road, were found to be affected. Prompt measures were taken to minimise any danger arising from such insanitary conditions, and important alterations have been made in the sewers to prevent such accidents in future.

Canal Boats Acts, 1877 and 1884.

Report on the Working of these Acts during the year ended December 31st, 1895.

The number of boats visited and inspected during 1895 was 159, and of these 266 inspections were made, viz. :—

Once	each...	...	93 boats.
Twice	,, ...	...	33 ,,
Three times	,, ...	...	27 ,,
Four ,,	,, ...	...	5 ,,
Six ,,	,, ...	...	1 ,,
	Total ...	...	159 ,,

That this work will compare favourably with the work of previous years will be seen from the following Table :—

Year	1890	Number of Boats	56	Number of Inspections		94
,,	1891	,, ,,	59	,,	,,	69
,,	1892	,, ,,	51	,,	,,	53
,,	1893	,, ,,	84	,,	,,	94
,,	1894	,, ,,	41	,,	,,	46

In the last of these years, the work came to a standstill in July owing to the death of the Inspector.

By far the larger proportion of boats visiting Huddersfield are loaded at Hull, Goole, and Wakefield, and the cargoes, as in past years, have largely consisted of logwood, timber, coal, oil, chemicals, corn, wool, and general dry-goods merchandise.

The population found on board these boats numbered 729, viz. : adult males, 467 ; adult females, 105, and children, 157.

The following is a detailed statement of the ages, number, and sex of children found on canal boats.

1895	Months.									Years.														Totals.
Ages ...	1	2	3	4	5	6	8	9	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Males..	1	...	3	...	1	...	1	...	2	4	15	9	8	9	4	8	4	3	4	7	8	5	2	98
Females	1	1	...	2	...	2	1	2	1	5	7	6	...	6	2	4	3	7	...	6	1	2	...	59
Total ...	2	1	3	2	1	2	2	2	3	9	22	15	8	15	6	12	7	10	4	13	9	7	2	157

The following particulars, which is information specially desired by the circular of the Local Government Board, dated 31st December, 1893, is herein replied to seriatim.

(1) The "A" District Sanitary Inspector, William M. Drake, was appointed Inspector under the Canal Boats Acts, January 7th, 1895, and his salary was thereon increased by £2 per annum.

(2) The number of boats inspected during 1895 was 159, and of inspections, 266. The 159 boats include 82 broad, 24 narrow, and 53 fly boats, and of these 82 were registered at Goole, 57 at Mirfield, 5 at Marple, 3 at Leeds, 2 each at Gt. Driffield and Birmingham, and one each at Wakefield, York, Grimsby, and Sheffield.

(3) The infringements of the Acts, and regulations with respect thereto, were as follows, viz. :—

(*a*) Registration. None found unregistered.

(*b*) Notification of change of master or owner. None.

(*c*) Certificates. In 17 cases no certificates were on board, involving 11 owners. 6 warning notices were issued to owners to remedy these infringements; 5 of these have been returned duly signed or otherwise satisfactorily accounted for, while the owner of 1 boat cannot be found by the Postal authorities. In the remaining 5 cases the matter was put right without formal notice. It is surprising that so many boats arrive here without certificates on board, seeing that they have to pass through other

Inspection districts on their way. In 15 cases the certificates produced failed to identify the owner of the boat. Twelve of the warning notices issued dealt with this matter, and in 11 cases the infringements have been remedied.

(*d*) Marking. 13 cases of defective marking of boats came under the notice of the Inspector, and with the exception of 2, the work has been done to remedy same.

(*e*) Overcrowding. None met with. In the 266 inspections, registered accommodation was found for 1,410½ adult persons, but only 749 of all ages were found occupying the cabins.

(*f*) Separation of Sexes. (None.) As in previous years the ages and relationship of the dwellers in the boats did not necessitate separation.

(*g*) Only in 10 cases might the cabins be described as dirty, and orders were verbally given to clean them out.

(*h*) Painting and Repairs. 16 cases have been met with where the boats required the paint renewing or repairs done, and in most of the cases the necessary work has been done after issue of warning notices.

(*i*) Provision of Water Cask. One boat was found without water cask, and in two others the cask was defective. With these exceptions, the casks and other vessels were generally clean, and free from visible pollution.

(*j*) Removal of Bilge Water. Generally well attended to.

(*k*) Notification of Infectious Diseases. None.

(*l*) Admittance. In no case was the Inspector refused.

(4) No legal proceedings taken.

(5) Twenty-five warning notices and 37 letters have been sent out requesting the contraventions to be remedied, and a duplicate notice to be returned within a specified time,

signed by some other Canal Boat Inspector. A report of the work done is made to the monthly meetings of the Sanitary Committee.

The arrangements made through the kindness of the L. & N. W. Ry. Co., whereby their Lock-keeper, at the entrance of the Huddersfield Canal, notifies daily all boats passing up the Canal, has been continued throughout the past year.

Canal Boats Acts, 1877 and 1884.

Huddersfield Registration District.

Supplementary Report on the working of these Acts for the year ended 31st December, 1895.

Number of	Boats registered	None.
,,	Inspections made	266
,,	Boats found Infringing the Acts ...	53
,,	Infringements	74
,,	Boats found correct	213
,,	,, requiring Painting	12
,,	,, on which the work has been done	10
,,	,, requiring Repairing	8
,,	,, on which the work has been done	7
,,	,, without Water Cask	1
	Cask supplied	1
,,	,, with Water Cask broken ...	2
,,	,, ,, ,, repaired ...	2

COMMON LODGING HOUSES.

Date	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895
January ...	5139	5586	5944	5638	5235	5942	7246	6307	7011	6994	7611	6556	5821	6108
February ...	5140	5356	5569	5611	4962	5449	6335	6110	6180	6111	6933	5754	5282	5841
March	5539	5864	5638	5646	5177	6232	6781	7044	7092	6988	7633	6318	5658	6422
April	5288	5710	5510	5360	5441	5476	6615	6611	6857	6405	7546	6191	5632	5811
May	5152	5792	5666	5630	5490	5893	6793	6653	6711	6914	6662	6052	5814	5773
June	4322	5773	5649	5616	4965	6094	6412	6498	6351	6910	6036	5714	5278	5775
July	4381	5658	5386	5022	5354	6143	6911	6241	6319	7115	5946	5917	5440	5987
August	4698	5389	5379	5003	5777	6056	6838	6086	6545	7261	5684	5710	5192	5898
September..	5088	5617	5511	4922	5244	6811	6362	5822	6306	7346	5698	5621	5647	5363
October	5585	5579	5355	4810	5995	7408	6515	6600	6872	6783	5987	5867	5685	6015
November...	5633	5043	5250	4987	5774	7025	6549	6635	6432	6879	6329	5885	5482	6329
December ...	5474	5461	5352	5194	5737	7095	6470	6927	6905	7515	6033	5860	5767	6224
Total	61,439	66,328	66,209	63,439	65,151	75,624	79,827	77,534	79,581	83,221	78,098	71,445	66,698	71,546

It will be noticed that with the exception of the years 1885, 1886, the increase of the population inhabiting those places has been continuously on the increase.

Statement shewing the length of Brick Culverts, Iron and Earthenware Pipe Sewers, &c., constructed during the year 1895.

District.	Brick Culverts.	Iron Pipes	Pot Pipes.	Manholes.	Lampholes.
Newsome.....	16 lin. yds. 2-ft. 6-in. diam.	36 lin. yds. 2-ft. 6-in. diam.	40 lin. yds. 1-ft. 9-in. diam.	2	1
Longwood	825 lin. yds.	522 lin. yds.		12	2
...Do.		28 lin. yds. 1-ft. 9-in. diam.	200 lin. yds. 1-ft. 9-in. diam.	8	1
Dalton	100 lin. yds. 2-ft. 6-in. diam.			...	...
Central	32 lin. yds. 2-ft. 9-in. diam.		20 lin. yds. 2-ft. diam.	4	...
...Do.			187 lin. yds. 10-in. diam.	4	2

SUMMARY.

Brick Culverts		973 lin. yds.
Iron Pipes		586 ,,
Pot Pipes...		447 ,,
Manholes...		No. 30
Lampholes		,, 6

For the above information we are indebted to Mr. Dugdale, Borough Surveyor.

Water Carriage System.

I have on several occasions reported upon this, and shall only refer here to the fact that during the severe winter, at the opening of 1895, an investigation was made as to the effect of the frost upon various kinds of water closets, and it was found that where fresh water closets fed from cisterns had been duly protected, not only with regard to the cistern, but the whole length of lead piping, then the percentage of freezing was practically nil, but in fresh water closets fed from cisterns erected outside the dwelling, and where perhaps the only protection was a wooden casing round the cistern, then freezing was common, as one would naturally expect under the circumstances.

With regard to slop water closets the condition of affairs was much more favourable, and in this class of water closets, too, the few that were frozen resulted from bad workmanship. In two instances the grating was placed directly over the tipper, but in none of these where the grating was a little distance away was the tipper effected.

Knackers' Yard.

There is no properly authorised place in the Borough, but several persons have yards where dead horses and cows are taken to be opened for veterinary inspection. The Medical Officer of Health has brought the matter before the Sanitary Committee and the Markets Committee, but owing to several reasons which I need not here explain, the consideration of the erection of a Knackers' Yard was postponed for the present.

TABLE I.

Return of Births and Deaths Registered during the thirteen weeks ended March 30th, 1895.

DISTRICTS.	Census Population, 1891.	Estimated Population at the middle of the year 1895.	Births Registered during the 13 weeks ended 30th March, 1895	Deaths Registered during the 13 weeks ended 30th March, 1895	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								Phthisis.	Bronchitis, Pneumonia and Pleurisy.	Heart Disease.	Cancer.	All other Diseases.	Rate of Mortality per 1000			
												Fevers									All Causes.		Seven Zymotics	
					Under 1 year.	Over 1 and under 5 years.	Persons aged 50 years and upwards.	Smallpox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid	Other	Diarrhœa.						During the corresponding period year previous.	During the 13 weeks ended 30th March, 1895	During the corresponding period year previous.	During the 13 weeks ended 30th March, 1895
Huddersfield (Central)	25,909	26,706	133	147	32	12	62	...	1	1	...	6	...	...	...	12	30	14	4	79	15·94	22·09	0·91	1·20*
Marsh	8.330	8,705	62	37	7	8	16	...	...	1	1	...	...	...	..	5	10	...	2	18	18·16	17·06	0·93	0·92
Fartown	9,584	9,930	49	49	13	8	14	...	...	1	...	2	...	...	...	5	8	2	6	25	11·84	19·80	0·82	1·21‡
Deighton and Bradley	2,273	2,389	22	23	5	1	11	...	...	1	...	1	...	...	...	1	6	2	...	12	18·66	38·64	...	3·36
Dalton	8,413	8,898	46	55	5	8	31	...	..	1	2	1	...	...	...	3	15	6	4	23	23·23	24·81	1·82	1·80
Almondbury	14,856	15,370	59	65	14	5	32	...	...	...	...	...	...	...	...	5	14	3	3	40	14·50	16·79	0·53	...
Lockwood	12,076	12.627	93	70	16	3	32	...	...	...	...	..	...	...	...	10	17	3	1	39	21·18	22·25	1·60	... †
Lindley	8,575	9.053	48	45	13	2	22	...	...	...	...	...	...	...	...	3	8	1	2	31	13·43	19·95	...	...
Longwood	5,406	5,804	35	30	6	4	10	...	...	...	1	...	...	...	...	5	3	1	2	18	18·16	20·75	0·70	0·69
Infirmary (Central) ...	...	...	...	16	...	2	3	...	...	...	...	...	...	...	...	1	1	1	...	13	...	...	...	...
Hospital (Fartown) ...	...	...	...	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Workhouse (Lockwood)	...	...	4	32	2	...	22	...	...	...	...	...	...	...	...	3	7	1	2	19	...	...	...	...
Borough	95,422	99,482	551	570	113	54	255	...	1	6	4	10	...	...	...	53	119	34	26	317	...	...	...	...
Rate per 1000 of Estimated Population...	...	...	22·23	23·00	...	...	...	...	0·04	0·24	0·16	0·40	...	...	...	2·14	4·80	1·37	1·05	12·79	18·29	23·00	1·18	0·85

* Central, with Infirmary, 24·50.
‡ Fartown, with Fever Hospital, 20·21.
† Lockwood, with Workhouse, 32·4.

Deaths of Children under one year per 1000 births, 205.
,, previous corresponding period, 175.

Death Rate of 33 large English towns, 25·20.
Death Rate (Zymotic) ,, 1·62.
Birth Rate, ,, 33·49.

TABLE II.

Return of Births and Deaths Registered during the thirteen weeks ended June 29th, 1895.

DISTRICTS.	Census Population, 1891.	Estimated Population at the middle of the year 1895.	Births registered during the 13 weeks ended 29th June, 1895	Deaths registered during the 13 weeks ended 29th June, 1895	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								Phthisis.	Bronchitis, Pneumonia and Pleurisy.	Heart Disease.	Cancer.	All other Diseases.	Rate of Mortality per 1000.			
												Fevers									All Causes.		Seven Zymotics	
					Under 1 year.	Over 1 and under 5 years.	Persons aged 50 years and upwards.	Small Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid.	Other.	Diarrhœa.						During the corresponding period year previous.	During the 13 weeks ended 29th June, 1895	During the corresponding period year previous.	During the 13 weeks ended 29th June, 1895
Huddersfield (Central)	25 909	26,706	130	100	18	12	45	...	...	1	...	1	1	...	1	12	20	7	4	53	12·44	15·03	0·61	0·60*
Marsh	8.330	8,705	38	24	1	4	12	...	...	1	...	...	...	...	...	4	3	...	3	13	18·16	11·07	1·86	0·46
Fartown	9,584	9,930	63	39	7	5	15	...	1	...	...	1	...	...	...	7	6	1	...	23	9·80	15·76	1·63	0·81‡
Deighton and Bradley	2,273	2,389	8	6	...	...	6	...	...	...	...	...	...	...	...	2	...	1	1	2	10·18	10·08	...	...
Dalton	8,413	8,898	45	30	6	3	8	...	...	...	...	...	...	...	...	6	8	...	2	14	15·03	13·53	3·19	...
Almondbury	14.856	15,370	92	57	11	5	18	...	...	...	1	...	1	...	...	12	9	3	2	29	13·45	14·88	1·05	0·52
Lockwood	12,076	12,627	69	48	7	6	22	...	...	2	...	2	...	...	1	6	3	4	5	25	17·33	15·26	2·57	1·59†
Lindley	8,575	9,053	34	24	3	6	10	...	...	...	1	...	...	...	...	2	6	1	1	13	13·43	10·64	0·89	0·44
Longwood	5,406	5,804	21	20	1	2	7	...	...	1	..	...	1	...	...	5	3	1	...	9	15·36	13·83	3·49	1·38
Infirmary (Central)	...	...	...	11	...	1	2	...	...	...	...	...	...	...	...	...	...	...	1	10	...	...	...	...
Hospital (Fartown)	...	...	...	1	...	1	...	...	...	1	..	...	...	...	...	...	...	...	...	...	...	...	...	...
Workhouse (Lockwood)	...	...	4	30	...	1	20	...	...	...	1	...	...	...	1	...	7	4	2	15	...	...	...	...
Borough	95,422	99,482	504	390	54	46	165	...	1	6	3	4	3	...	3	56	65	22	21	206	...	...	...	...
Rate per 1000 of Estimated Population	...	...	20·33	15·73	...	...	...	...	0·04	0·24	0·12	0·16	0·12	...	0·12	2·26	2·62	0·89	0·85	8·31	15·28	15·73	1·59	0·81

* Central, with Infirmary, 16·68.
‡ Fartown, with Fever Hospital, 16·17.
† Lockwood, with Workhouse, 24·79.

Deaths of Children under one year per 1000 births, 107.
„ previous corresponding period, 153.

Death Rate of 33 large English towns, 17·84.
Death Rate (Zymotic) „ 1·71.
Birth Rate „ 31·56.

TABLE III.

Return of Births and Deaths Registered during the thirteen weeks ended September 28th, 1895.

DISTRICTS.	Census Population, 1891.	Estimated Population at the middle of the year, 1895.	Births Registered during the 13 weeks ended 28th Sept., 1895	Deaths Registered during the 13 weeks ended 28th Sept., 1895	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								Phthisis.	Bronchitis, Pneumonia and Pleurisy.	Heart Disease.	Cancer.	All other Diseases.	Rate of Mortality per 1000.			
													Fevers								All Causes.		Seven Zymotics	
					Under 1 year.	Over 1 and under 5 years.	Persons aged 50 years and upwards.	Small Pox.	Measles.	Scarlatina	Diphtheria	Whooping Cough.	Typhoid.	Other.	Diarrhœa.						During the corresponding period year previous.	During the 13 weeks ended 28th Sept., 1895	During the corresponding period year previous.	During the 13 weeks ended 28th Sept., 1895
Huddersfield (Central)	25,909	26,706	124	94	32	13	23	...	1	...	2	...	...	...	14	6	14	6	6	45	11·99	14·13	1·21	2·55*
Marsh	8,330	8,705	48	30	11	3	9	...	...	...	...	...	1	...	4	6	2	3	2	12	11·64	13·83	0·93	2·30
Fartown	9,584	9,930	62	33	4	4	13	...	1	1		...	...	...	1	2	7	1	2	18	11·84	13·34	1·22	1·21‡
Deighton and Bradley	2,273	2,389	11	8	3	2	...	...	...	...	1	...	...	...	...	1	...	...	...	6	15·27	13·44	1·70	1·68
Dalton	8,413	8,898	52	26	6	3	9	...	...	...	...	...	...	...	...	8	5	...	2	11	14·12	11·73	0·45	...
Almondbury	14,856	15,370	92	68	19	8	20	...	...	...	...	1	...	...	8	5	1	5	2	46	16·35	17·76	3·43	2·35
Lockwood	12,076	12,627	83	40	9	4	8	...	1	...	1	...	...	...	4	9	...	4	2	19	8·35	12·71	0·96	1·91†
Lindley	8,575	9,053	44	22	2	2	9	...	...	...	1	...	...	...	1	3	1	...	3	13	8·95	9·75	0·89	0·89
Longwood	5,406	5,804	29	18	1	3	5	...	1	...	...	...	...	...	...	5	2	1	...	9	8·38	12·45	...	0·69
Infirmary (Central)	...	...	...	13	1	2	3	...	...	...	...	...	...	...	...	..	3	1	1	8	...	...	...	...
Hospital (Fartown)	...	...	...	6	...	3	..	...	...	5	...	...	1	...	...	...	..	...	...	...	...	...	...	...
Workhouse(Lockwood)	...	...	5	16	...	...	13	...	...	..	...	...	..	..	1	2	5	1	...	7	...	...	...	...
Borough	95,422	99,482	550	374	88	47	112	...	4	6	5	1	2	...	33	47	40	22	20	194	...	...	...	...
Rate per 1000 of Estimated Population	...	...	22·19	15·09	...	...	...	...	0·16	0·24	0·20	0·04	0·08	...	1·33	1·90	1·61	0·89	0·81	7·83	13·28	15·09	1·47	2·06

* Central, with Infirmary, 16·08.
‡ Fartown, with Fever Hospital, 15·76.
† Lockwood, with Workhouse, 17·80.

Deaths of Children under one year per 1000 births, 160.
„ previous corresponding period, 114.

Death Rate of 33 large English towns 20·19.
Death Rate (Zymotic) „ 4·98.
Birth Rate „ 31·08.

TABLE IV.

Return of Births and Deaths Registered during the thirteen weeks ended December 28th, 1895.

DISTRICTS.	Census Population, 1891.	Estimated Population at the middle of the year, 1895.	Births Registered during the 13 weeks ended 28th Dec., 1895	Deaths Registered during the 13 weeks ended 28th Dec., 1895	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								Phthisis.	Bronchitis, Pneumonia and Pleurisy.	Heart Disease.	Cancer.	All other Diseases.	Rate of Mortality per 1000.			
												Fevers									All Causes.		Seven Zymotics	
					Under 1 year.	Over 1 and under 5 years.	Persons aged 50 years and upwards.	Small Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough	Typhoid.	Other.	Diarrhœa.						During the corresponding period year previous.	During the 13 weeks ended 28th Dec., 1895	During the corresponding period year previous.	During the 13 weeks ended 28th Dec., 1895
Huddersfield (Central)	25,909	26,706	141	95	22	13	28	...	5	...	1	..	1	...	5	11	16	3	9	44	16·69	14·28	1·97	1·80*
Marsh	8,330	8.705	38	34	6	2	16	...	...	...	...	...	..	...	3	3	7	3	1	17	17·23	15·68	1·86	1·38
Fartown	9,584	9,930	59	36	7	6	15	...	...	...	2	1	...	...	...	3	13	2	...	15	12·65	14·55	0·82	1·21‡
Deighton and Bradley	2,273	2.389	13	6	3	1	2	...	1	...	...	...	...	...	...	...	1	1	1	2	15·27	10·08	3·39	1·68
Dalton	8,413	8.898	56	23	8	1	7	...	...	...	...	...	...	...	2	3	2	1	2	13	14·12	10·37	1·82	0·90
Almondbury	14,856	15,370	79	57	12	4	26	...	...	...	2	1	...	...	...	6	8	4	5	31	16·09	14·88	1·05	0·78
Lockwood	12,076	12,627	94	47	15	6	13	...	...	...	2	1	...	...	2	6	13	2	2	19	17·33	14·94	2·25	1·59†
Lindley	8,575	9,053	41	31	11	3	10	...	...	...	..	3	...	...	3	3	4	3	1	14	13·43	13·74	0·45	2·66
Longwood	5,406	5,804	22	10	...	1	4	...	...	...	...	...	...	...	...	...	5	...	3	2	11·17	6·91	0.70	...
Infirmary (Central) ...	...	...	...	12	...	...	7	...	...	...	...	...	...	...	...	1	1	...	2	8	...	...	...	...
Hospital (Fartown) ..	...	...	...	3	...	1	...	...	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Workhouse(Lockwood)	...	...	3	11	1	...	5	...	...	...	...	...	...	...	...	3	2	...	1	5	...	...	...	...
Borough	95,422	99,482	546	365	85	38	133	...	6	2	7	6	1	...	15	39	72	19	28	170	...	...	...	...
Rate per 1000 of Estimated Population ...	...	...	22·03	14·73	...	...	...	...	0·24	0·08	0·28	0·24	0·04	...	0·60	1·57	2·90	0·77	1·13	6·86	16·83	14·73	1·83	1·49

* Central, with Infirmary, 16·08.
‡ Fartown, with Fever Hospital, 15·76.
† Lockwood, with Workhouse, 18·44.

Deaths of Children under one year per 1000 births, 156.
„ previous corresponding period, 194.

Death Rate of 33 large English towns, 19·45.
Death Rate (Zymotic) „ 3·04.
Birth Rate „ 29·29.

TABLE V.

Return of Births and Deaths Registered during the fifty-two weeks ended December 28th, 1895.

DISTRICTS.	Census Population 1891.	Estimated population at the middle of the year 1895.	Births Registered during the 52 weeks ended December 28th, 1895	Deaths Registered during the 52 weeks ended Dec. 28th, 1895.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								Phthisis.	Bronchitis, Pneumonia and Pleurisy.	Heart Disease.	Cancer.	All other Diseases.	Rate of Mortality per 1000.			
													Fevers								All Causes.		Seven Zymotics	
					Under 1 year.	Over 1 and under 5 years.	Persons aged 50 years and upwards.	Small Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid.	Other.	Diarrhœa.						During the corresponding period year previous.	During the 52 weeks ended Dec. 28th, 1895.	During the corresponding period year previous.	During the 52 weeks ended Dec. 28th, 1895.
Huddersfield (Central)	25,909	26,706	528	436	104	50	158	...	7	2	3	7	2	...	20	41	80	30	23	221	14·27	16·38	1·18	1·54*
Marsh	8,330	8,705	186	125	25	17	53	...	...	2	1	...	1	...	7	18	22	6	8	60	16·30	14·41	1·40	1·27
Fartown	9,584	9,930	233	157	31	23	57	...	2	2	2	4	...	...	1	17	34	6	8	81	11·53	15·86	1·12	1·11‡
Deighton and Bradley	2,273	2,389	54	43	11	4	19	...	1	1	1	1	...	...	...	4	7	4	2	22	14·84	18·06	1·27	1·68
Dalton	8,413	8,898	199	134	25	15	55	...	...	1	2	1	...	...	2	20	30	7	10	61	16·63	15·11	1·82	0·68
Almondbury	14,856	15,370	322	247	56	22	96	...	...	...	3	2	1	...	8	28	32	15	12	146	15·10	16·12	1·52	0·91
Lockwood	12,076	12,627	339	205	47	19	75	...	1	2	3	3	...	...	7	31	33	13	10	102	16·05	16·29	1·85	1·27†
Lindley	8,575	9,053	167	122	29	13	51	...	...	...	2	3	...	...	4	11	19	5	7	71	12·31	13·52	0·56	1·00
Longwood	5,406	5,804	107	78	8	10	26	...	1	1	1	...	1	...	...	15	13	3	5	38	13·27	13·48	1·22	0·69
Infirmary (Central)	...	...	...	52	1	5	15	...	...	...	...	...	...	...	...	2	5	2	4	39	...	...	...	...
Hospital (Fartown)	...	...	...	11	...	6	...	...	...	9	...	...	1	...	...	...	...	...	1	...	...	...	...	...
Workhouse (Lockwood)	...	...	16	89	3	1	60	...	...	...	1	..	...	...	2	8	21	6	5	46	...	...	...	...
Borough	95,422	99,482	2151	1699	340	185	665	...	12	20	19	21	6	...	51	195	296	97	95	887	...	...	...	...
Rate per 1000 of Estimated Population	...	...	21·70	17·14	...	...	...	...	0·12	0·20	0·19	0·21	0·06	...	0·51	1·97	2·99	0·98	0·96	8·95	15·92	17·14	1·52	1·30

* Central, with Infirmary, 18·33.
‡ Fartown, with Fever Hospital, 16·98.
† Lockwood, with Workhouse, 23·36.

Deaths of Children under one year per 1000 births, 158.
" previous corresponding period, 160.

Death Rate of 33 large English towns, 20·67.
Death Rate (Zymotic) " 2·84.
Birth Rate " 31·36.

TABLE VI.

Classification of Deaths Registered during the 52 weeks ended December 28th, 1895.

	Central Hud-dersfield		Marsh		Fartown		Deight'n and Bradley		Dalton		Almond-bury		Lock-wood		Lindley		Long-wood		In-firmary		Hospital		Work-house		Totals.		TOTAL FOR BOROUGH
	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	
Class I.—ZYMOTIC DISEASES.																											
Order 1—Miasmatic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1 Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 Measles	7	..	..	..	2	..	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	12	..	12
3 Scarlet Fever	1	1	1	1	1	1	1	..	..	1	..	..	1	1	..	..	1	..	..	..	6	3	..	..	12	8	20
4 Diphtheria	2	1	1	..	2	..	..	1	1	1	2	1	3	..	2	..	1	..	..	..	..	..	..	1	14	5	19
5 Whooping Cough	7	..	..	..	4	..	1	..	1	..	2	..	3	..	3	..	..	..	..	..	..	..	..	..	21	..	21
6 Simple Continued and Ill-D. F. (Typhus)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Enteric or Typhoid Fever	..	2	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	..	..	6	6
8 Other Miasmatic Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Order 2—Diarrhœal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1 Diarrhœa Dysentery	18	2	7	..	1	..	..	..	2	..	5	3	5	2	1	3	..	..	..	..	..	..	..	2	39	12	51
Order 3—Malarial Influenza	..	10	..	4	2	3	1	1	..	3	..	6	..	8	1	5	2	1	..	..	..	..	..	4	6	45	51
Order 4—Venereal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1 Syphilis	3	2	3	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	10	2	12
Order 5—Septic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1 Erysipelas	1	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	..	..	..	..	..	..	1	5	6
2 Pyæmia, Septicæmia	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3
3 Puerperal Fever	..	1	..	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	4	4
II.—PARASITIC DISEASES	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
III.—DIETIC DISEASES—1 Plumbism	..	..	..	1	..	1	..	..	..	1	..	1	..	1	..	..	..	1	..	..	..	..	..	..	6	6	
2 Ptomaine Poisoning	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	2	2
3 Drink	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1
IV.—CONSTITUTIONAL DISEASES.																											
1 Rheumatic Fever, Rheu. Heart	..	2	..	..	..	..	..	..	..	1	1	1	..	1	..	1	1	..	..	..	..	..	..	1	2	7	9
2 Rheumatism	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	1	3
3 Gout	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 Cancer, Malignant Disease	..	23	..	8	..	8	..	2	..	10	..	12	..	10	..	7	..	5	..	4	..	1	..	5	95	95	
5 Tabes Mesenterica	4	1	..	..	..	..	..	..	2	..	2	..	1	1	..	1	..	..	..	..	..	..	..	..	9	3	12
6 Tubercular Meningitis, &c.	5	1	..	..	1	2	..	..	1	..	1	3	2	..	1	2	..	..	1	3	..	..	..	..	12	11	23
7 Phthisis	6	35	3	15	..	17	..	4	..	20	..	28	1	30	2	9	..	15	..	2	..	..	..	8	12	183	195
8 Other forms of Tuberculosis, &c.	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..	..	1	..	2	2	4
9 Glycosuria, Diabetes Mellitus	..	3	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	6	6
10 Other Constitutional Diseases	1	1	..	1	..	..	..	1	..	..	2	..	..	1	..	2	..	..	1	..	..	..	..	..	4	6	10
V.—DEVELOPMENTAL DISEASES.																											
1 Premature Birth	7	..	2	..	5	..	..	..	3	..	7	..	11	..	2	..	1	..	..	..	..	..	..	..	38	..	38
2 Congenital Malformations	1	..	..	..	1	..	..	..	..	..	2	1	1	..	1	..	..	..	1	..	..	..	..	..	7	1	8
3 Old Age	..	23	..	9	..	7	..	1	..	4	..	10	..	6	..	8	..	3	..	..	..	..	..	21	..	..	..

3	Hemiplegia	..	4	..	1	..	2	..	3	..	3	..	1	..	4	..	2	..	3	..	..	..	..	..	5	..	28	28		
4	Epilepsy	..	3	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..	6	6		
5	Convulsions	14	..	4	..	5	..	5	..	12	..	19	..	5	..	6	..	3	..	..	..	..	..	..	..	73	..	73		
6	Laryngismus Stridulus	2	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	6	..	6		
7	Disease of Spinal Cord, &c.	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1		
8	Other Diseases	..	3	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	7	7		
	Order 2—Organs of Special Sense	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
	Order 3– Circulatory System	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..		
1	Pericarditis	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
2	Acute Endocarditis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
3	Valvular Diseases of Heart	..	30	..	6	1	5	..	4	..	7	..	15	..	13	2	3	..	3	..	2	.	..	..	6	3	94	97		
4	Other Diseases of Heart	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1		
5	Aneurism	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2		
6	Embolism. Thrombosis	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1		
	Order 4—Respiratory System	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1	Laryngitis	..	..	1	2	1	..	..	..	..	..	1	..	1	1	..	..	..	1	..	..	..	..	..	..	4	4	8		
2	Croup	..	..	..	..	1	..	..	..	1	..	1	..	..	..	1	..	1	..	..	..	..	..	1	..	6	..	6		
3	Emphysema, Asthma	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
4	Bronchitis	25	23	3	12	12	14	2	3	4	12	7	11	6	19	2	6	..	8	..	1	..	..	..	19	61	128	189		
5	Pneumonia	10	21	4	3	1	7	..	2	3	10	3	10	5	3	5	6	1	4	1	3	..	..	..	1	33	70	103		
6	Pleurisy	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	4	4		
	Other Diseases of Respiratory System	..	..	..	1	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	.	..	..	..	..	2	1	3		
	Order 5—Digestive System	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1	Dentition	4	..	..	..	..	..	..	..	1	..	2	..	5	..	3	..	3	..	..	..	..	..	..	..	18	..	18		
2	Sore Throat, Quinsy	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
3	Diseases of Stomach	..	1	..	..	..	1	..	..	..	1	..	1	..	1	..	1	..	..	..	1	..	..	..	..	..	7	7		
4	Enteritis	6	1	2	..	2	1	1	..	..	1	2	5	4	2	1	1	..	..	..	1	..	..	..	..	18	12	30		
5	Obstructive Disease of Intestine	2	4	..	1	..	..	..	..	1	..	..	3	..	1	..	1	..	..	..	2	..	..	..	..	3	12	15		
6	Peritonitis	..	1	..	2	..	..	..	..	..	1	..	3	..	1	..	..	..	..	..	..	..	..	..	..	..	8	8		
7	Ascites	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
8	Cirrhosis of Liver	..	5	..	..	..	..	..	..	..	1	..	1	..	2	..	2	..	2	..	1	..	..	..	..	..	14	14		
9	Jaundice, &c.	1	2	..	1	1	1	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	4	6		
10	Other Diseases of Digestive System	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1		
	Order 6—Lymphatic System (Spleen)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
	Order 7—Urinary System	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1	Nephritis	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	3	3		
2	Bright's Disease. Albuminuria	..	8	..	1	..	6	..	..	..	3	..	4	..	2	..	2	..	1	..	4	..	..	..	1	..	32	32		
3	Disease of Bladder	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	5	5		
4	Other Diseases of Urinary System	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	2		
	Order 8—Reproductive System	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
	A. Of Organs of Generation.																													
1	Male Organs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1		
2	Female Organs	..	1	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	1	..	..	..	..	..	..	..	5	5		
	B. Of Parturition.																													
1	Puerperal Convulsions	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1		
2	Placenta prævia, Flooding	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
3	Other Accidents of Child Birth	..	1	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	1	3	4		

TABLE VI.—*Continued.*

	Central Huddersfield		Marsh		Fartown		Deight'n and Bradley		Dalton		Almondbury		Lockwood		Lindley		Longwood		Infirmary		Hospital		Workhouse		Totals		TOTAL FOR BOROUGH
	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	
Order 9—Bones and Joints	..	2	..	..	..	2	..	..	..	1	..	2	..	..	..	1	..	..	..	1	..	..	..	1	..	10	10
Order 10—Integumentary System	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
VII.—DEATHS FROM VIOLENCE.																											
Order 1 - Accident or Negligence	2	6	..	1	..	5	..	1	1	..	2	2	..	3	..	1	..	1	2	9	..	..	..	1	7	30	37
Order 2—Homicide	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	.	..	1	1
Order 3—Suicide	..	1	..	..	..	1	..	..	..	1	..	3	..	..	..	1	..	..	..	..	..	..	..	..	..	7	7
VIII.—DEATHS FROM ILL-DEFINED AND NOT SPECIFIED CAUSES.																											
1 Dropsy	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	4	4
2 Debility, Atrophy, Inanition	14	3	6	1	2	..	1	..	..	..	7	2	4	..	4	..	..	..	..	..	..	..	1	1	39	7	46
3 Mortification	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1
4 Tumour	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	3	3
5 Abscess	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1
6 Hæmorrhage	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Sudden Death	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Causes not specified or Ill-defined	7	19	2	1	1	3	2	2	2	2	4	3	..	4	2	3	..	1	..	..	..	..	..	1	20	39	59
TOTALS	154	282	42	83	54	103	15	28	40	94	78	169	66	139	42	80	18	60	6	46	6	5	4	85	525	1174	1699
TOTALS AT ALL AGES	436		125		157		43		134		247		205		122		78		52		11		89		1699		

TABLE VII.

Death Rate per 1,000 per annum for 1895 and fifteen previous years.

	Estimated Population at the middle of the Year.	From all causes and at all ages.	Children under 1 year	Children over 1 year and under 5 years.	In persons aged 50 years and upwards.	ZYMOTIC DISEASES.							Seven Zymotic Diseases.	Violence and Accidents.	Consumption and Diseases of the Breathing organs
						Smallpox.	Measles.	Scarlet Fever	Diphtheria.	Whooping Cough.	Fever.	Diarrhœa.			
1895	99,482	17·14	3·43	1·87	6·71	...	0·12	0·20	0·19	0·21	0·06	0·51	1·30	0·45	4·95
1894	98,511	15·92	3·24	1·87	5·72	...	0·13	0·23	0·27	0·56	0·11	0·18	1·52	0·39	4·65
1893	97,552	17·43	3·34	2·00	6·66	0·02	0·26	0·26	0·03	0·13	0·14	0·53	1·38	0·37	5·42
1892	96.599	18·14	3·49	2·56	6·89	0·01	0·71	0·19	0·07	0·30	0·06	0·19	1·53	0·48	5·69
1891	95.656	22·96	4·51	3·50	8·62	...	1·12	0·31	0·05	0·62	0·16	0·11	2·38	0·66	7·64
1890	94,253	18·84	3·83	2·19	7·02	0·01	0·04	0·07	0·05	0·42	0·25	0·39	1·23	0·48	6·58
1889	92.825	18·79	4·15	2·78	6·33	...	0·98	0·28	0·13	0·16	0·11	0·36	2·02	0·38	5·95
1888	91.419	18·51	3·90	2·80	6·37	0·02	0·36	0·29	0·15	0·41	0·13	0·19	1·55	0·65	5·40
1887	90,034	22·99	5·06	4·42	6·70	...	1·39	0·35	0·46	0·68	0·10	0·41	3·39	0·51	7·26
1886	88,670	19·54	4·49	2·76	6·30	...	0·19	0·37	0·14	0·32	0·14	0·48	1·63	0·79	6·38
1885	87,327	20·05	4·62	2·84	6·79	...	0·65	0·13	0·05	0·29	0·11	0·20	1·42	0·74	6·50
1884	86,004	19·54	4·84	2·55	6·34	...	0·18	0·08	0·05	0·70	0·14	0·63	1·77	0·57	5·65
1883	84,450	21·38	5·14	3·09	6·52	...	0·39	0·08	0·04	0·55	0·18	0·44	1·68	0·58	7·65
1882	83,271	22·39	5·64	3·93	6·60	...	0·96	0·26	0·07	0·64	0·18	0·53	2·63	0·65	6·81
1881	82,113	20·35	4·67	2·82	6·54	...	0·09	0·21	0·04	0·42	0·13	0·38	1·26	0·75	6·50
1880	81,780	22·04	5·20	3·79	6·66	0·02	0·40	0·28	0·05	0·15	0·67	0·91	2·49	0·61	6·72

The populations for 1884 to 1895 are those estimated by the Registrar-General, by geometrical progression. The populations for 1883, 1882, and 1881 are estimated by arithmetical progression, the two latter from the first published returns of the census of 1881. The populations of the earlier years are those estimated for those years at the time The death-rates for 1880 are therefore probably one per cent. too low. See Annual Report for 1882, p. 4, , note and p. 10 note, for 1883, p. 29, and for 1888, p. 16.

TABLE VIII.

DISTRICTS.	Birth-rate	Mortality per 1,000 Persons Living at all Ages.															
		Children under 1 year.	1 to 5 years	Adults over 50 years.	Seven Zymotic Diseases.	Constitutional Diseases (including Phthisis)	Phthisis	Developmental Diseases.	Diseases of the Nervous System.	Diseases of the Circulatory System.	Diseases of the Respiratory System.	Digestive System.	Diseases of the Urinary System.	Diseases of the Reproductive System.	Violence.	Ill-defined and not Specified Causes.	Total from all Causes.
Central (with Infirmary)	19·84	3·94	2·07	6·50	1·54	3·53	1·62	1·20	1·22	1·20	3·19	1·20	0·64	0·15	0·79	1·77	18·33
Central (without Infirmary).....	19·84	3·91	1·88	5·94	1·54	3·12	1·54	1·16	2·03	1·13	3·01	1·01	0·41	0·11	0·34	1·65	16·38
Marsh	21·44	2·88	1·96	6·11	1·27	3·11	2·07	1·27	1·73	0·69	3·00	0·69	0·23	...	0·11	1·15	14·41
Fartown (with Fever Hospital)	23·54	3·13	2·93	5·76	2·12	2·93	1·72	1·31	2·73	0·81	3 64	0·61	0·61	...	0·61	0·71	16·98
Fartown (without Fever Hospital) ...	23·54	3·13	2·32	5·76	1·11	2·83	1·72	1·31	2·73	0·81	3·64	0·61	0·61	...	0·61	0·71	15·86
Deighton and Bradley.....	22·68	4·62	1 68	7·98	1·68	2·94	1·68	0·42	4·62	1·68	2·94	0·42	...	...	0·42	2 10	18·06
Dalton	21·34	2·82	1·69	6·20	0·68	3·95	2·25	0·79	2·82	0·79	3·50	0·68	0·45	...	0·22	0·45	15·11
Almondbury.....	21·02	3·67	1·44	6·27	0·91	3·39	1·83	1·31	3·52	1 04	1·22	1·11	0·26	0·06	0·46	1·11	16·12
Lockwood (with Workhouse)	28·21	3 97	1·59	10·73	1·51	5·01	3·10	3·10	2·62	1·59	4·69	1·35	0·32	0·32	0·32	1·03	23·36
Lockwood (without Workhouse).....	26·94	3·73	1·51	5·96	1·27	3·81	2·46	1·43	1·99	1·11	3·04	0·27	0·24	0·32	0·24	0·64	16·29
Lindley.....	18·51	3·21	1·44	5·65	1·00	3·10	1·22	1·22	1·88	0·55	2·22	1·00	0·33	0·11	0·22	1·00	13·52
Longwood	18·50	1·38	1·73	4·49	0·69	3·80	2·61	0·69	2·42	0·52	2·59	0·86	0·35	0·17	0·17	0·35	13·48
Total for Borough, 1895	21·70	3·43	1·87	6·71	1·30	3·60	1·97	1·39	2·57	1·02	3·16	1·00	0·42	0·11	0·45	1·15	17·14
Do. for 1894	20·25	3·24	1·87	5·72	1·52	3·44	1·74	1·29	1·96	1·24	2·04	0·94	0·50	0·12	0 39	1·13	15·92

TABLE IX.

Cases of infectious diseases certified under the 64th clause of the Huddersfield Improvement Act, 1880, or heard of through others so certified and by private enquiries, during the four quarters of the 52 weeks of the year 1895.

A Cases of Small-pox, Scarlet Fever, Typhoid, and Typhus Fever.

	13 weeks ended March 30th, 1895.				13 weeks ended June 29th, 1895.				13 weeks ended September 28th, 1895.				13 weeks ended December 28th, 1895.				52 weeks ended December 28th, 1895.			
	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Total cases reported or heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.
Small pox.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...
Scarlet fever	103	101	6	1	132	118	6	1	149	133	6	5	155	137	2	2	539	489	20	9
Typhoid fever	1	1	...	..	13	3	3	...	19	3	2	1	27	4	1	...	60	11	6	1
Typhus fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
The above 4 diseases.	104	102	6	1	145	121	9	1	168	136	8	6	182	141	3	2	599	500	26	10

B Other Diseases.

	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		TOTAL	
	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital
Continued fever.....	6	...	17	...	5	...	11	...	39	...
Measles & Rötheln	4	...	1	...	..	...	...	...	5	...
Chicken-pox	..	..	...	...	...	...	...	...	...	...
Diphtheria	6	...	8	...	8	...	12	...	34	...
Puerperal Fever ...	1	...	2	...	...	...	1	...	4	...
Erysipelas	...	...	3	...	1	...	1	...	5	...
Other and doubtful	...	...	...	...	2	...	..	...	2	...

TABL

JANUARY.					FEBRUARY.				MARCH.					
1st week ended January 5, 1895	2nd week ended January 12, 1895	3rd week ended January 19, 1895	4th week ended January 26, 1895	5th week ended February 2, 1895	6th week ended February 9, 1895	7th week ended February 16, 1895	8th week ended February 23, 1895	9th week ended March 2, 1895	10th week ended March 9, 1895	11th week ended March 16, 1895	12th week ended March 23, 1895	13th week ended March 30, 1895		1895.
63	53	48	39	38	47	28	41	39	50	35	37	33	1	 Tota
41	49	44	32	33	41	40	41	46	46	54	60	43	2	Deaths at
11	13	5	5	8	11	7	2	3	16	11	10	11	3	
4	6	6	6	3	1	1	3	6	4	6	5	3	4	
5	7	3	2	6	9	5	5	7	4	2	10	2	5	
13	14	17	10	6	14	14	16	15	12	18	22	17	6	
2	5	2	1	2	3		2		1		1	2	7	Deaths from seven principal Zymotic Diseases.
.....													8	
.....		1					.. .						9	
1	1		1		...		2		1				10	
.....	1				2							1	11	
1	3	1		2	1						1	1	12	
.....													13	
.....													14	
.....						..							15	
.....					. ..								16	
8	7	10	6	6	5	9	10	10	10	14	10	13	17	Deaths from
2	6	4	3	8	4	4	6	3	2	5	2	4	18	
3		3	3	1	2	1	2	4	5	3	3	4	19	
2	1	2	1			1	1	4	1	2	2	3	20	
3	5	6	1	4	1	2	6	4	4	6	2	5	21	Deaths in Public
29·77	29·67	29·00	29·41	29·97	29·85	29·93	30·20	29·66	29·58	29·77	29 85	28·90	22	Mean Barom.
32·4	25·6	33·7	33·6	27·3	23·2	23·4	33·1	35·6	34·9	41·0	46·3	42·1	23	Mean Therm.
8·3	10·0	3·7	7·0	9·7	12·4	14·7	12·3	9·6	10·0	14·2	14·7	10·6	24	Mean Diurnal
45°	43°	42°	41°	40°	40°	40°	39°	38°	38°	38°	38°	39°	25	Mean height
40°	38°	37°	36°	36°	35°	34°	34°	34°	34°	34°	37°	39°	26	,, ,,
74·1	73·0	80·3	71·0	76·0	67·7	64·5	74·0	78·0	79·0	74·5	66·5	76·6	27	Mean moisture
0·13	0·16	1·93	1·06	0·64	0·03	0·00	0·01	0·37	0·44	0·07	0·59	1·34	28	Total Rainfall
NNW	N. E.	S.E.	N. W	E.	S. E.	S. E.	N. w	N W.	S.W.	S.W.	N W.	N W.	29	Prevailing
30	20	35	38	28	20	25	20	32	20	25	40	50	30	Velocity of Wind,
64°	49°	53°	63°	60°	68°	66°	67°	75°	74°	87°	93°	93°	31	Highest recorded
40°	36°	38°	40°	35°	37°	35°	43°	43°	47°	53°	57°	56°	32	,, ,,
24°	10°	29°	23°	18°	1°	5°	21°	27°	24°	26°	33°	33°	33	Lowest ,,
22°	13°	27°	20°	16°	2°	4°	16°	23°	22°	25°	28°	27°	34	,, ,,
26	19	27	28	17	29	22	25	38	68	47	32	9	35	New Cases of and Home
9	19	8	10	11	11	12	4	1	10	16	6	4	36	Cases notified as clause 64, H.
2581	2624	2723	2713	2773	2805	2904	2878	2853	2856	2877	2764	2734	37	... Hudd. district
33·04	27·80	25·17	20·45	19·93	24·65	14·69	21·50	20·45	26·22	18·36	19·41	17·31	38	Per 1000 of
21·50	25·70	23·08	16·78	17·31	21·50	20·98	21·50	24·13	24·13	28·32	31·47	22·55	39	population
1·05	2·62	1·05	0·52	1·05	1·57		1·05		0·52		0·52	1·05	40	Death-rate
4·20	3·67	5·24	3·67	3·15	2 62	4·72	5·24	5·24	5·24	7·34	5·24	6·82	41	per 1000 lvg.
18·94	20·15	21 71	18·70	19·70	20·74	26·75	29·63	32·92	35·06	32·19	27·76	23·40	42	 Death-rate
36·50	34·84	33 54	33·74	31·36	33·84	34·02	33 82	32·89	32·64	34·06	32·97	31·12	43	 Birth-rate

X.

52 weeks.		APRIL.				MAY.					JUNE.			
		14th week ended April 6, 1895	15th week ended April 13, 1895	16th week ended April 20, 1895	17th week ended April 27, 1895,	18th week ended May 4, 1895	19th week ended May 11, 1895.	20th week ended May 18, 1895	21st week ended May 25, 1895	22nd week ended June 1, 1895	23rd week ended June 8, 1895	24th week ended June 15, 1895	25th week ended June 22, 1895	26th week ended June 29, 1895
Births	1	35	42	37	38	43	42	28	39	48	42	33	34	43
All Ages	2	26	33	51	27	25	29	39	26	28	27	28	28	23
Under 1 year.....	3	4	5	7	3	5	2	3	2	6	6	6	1	4
1 to 5 years	4	2	3	5	4	3	4	9	2	1	5	3	2	3
50 to 60 years ...	5	3	9	8	1	2	4	7	3		4	4	7	1
60 yrs. & upwards	6	7	10	16	10	4	8	11	9	12	7	5	6	7
Seven diseases ..	7	1		2	2	1	3		2		1	4	2	2
Smallpox	8									. ..				
Measles	9	1												
Scarlet Fever...	10		..	1	2		1		1			1		
Diphtheria	11			1					1				1	
Whooping Cough.	12	...					1				1	2		
Contd. Fever — Typhus..	13						...							
Contd. Fever — Typhoid.	14						1							2
Contd. Fever — Other&c.	15													
Diarrhœa	16					1						1	1	
Lung disease, &c.	17	8	5	7	8	5	3	6	7	1		3	5	4
Consumption	18	2	8	8	3	4	8	5	4	4	3	3	3	1
Heart disease, &c.	19	2	1	6	2	1	2	3	1	1	1		2	
Violence, &c.....	20		1	2			1	3				2	1	
Institutions	21	2	1	6	4	1	1	9	1	4		6	5	2
Inches)	22	29·70	29·83	29·85	29·47	30·21	30·17	29·94	29·77	30·02	30·18	30·03	29·94	30·10
° F.	23	39·7	44·8	45·3	50·5	48·7	53 1	51·4	49·3	60·4	58·2	54·4	54·0	62·2
Range ° F....	24	12·6	17·6	18·6	13·0	18·0	26·0	15·1	14·8	25·7	19·0	20·5	22·7	21·6
Earth Ther. 4ft. 6in	25	39°	40°	41°	41°	43°	44°	45°	46°	46°	48°	49°	50°	51°
,, ,, 2ft. 6in	26	39°	41°	42°	44°	46°	48°	50°	49°	51°	53°	55°	54°	56°
of Air, %.....	27	73·7	59·4	65·4	69·3	59·8	50·1	66·3	72·9	53·0	64·3	54·1	59·0	62·8
(inches)	28	0·77	0·00	0·53	1·22	0·19	0·00	0·02	0·26	0·91	0·06	0·01	0·00	3·13
Wind	29	NW SW	W.	N. E.	S. W.	NW SE	S. E.	NW NE	N. E.	SE SW	E NE	N. W	SW NW	NW NE
miles per hour ...	30	45	35	28	30	30	35	35	25	20	25	32	25	20
Temp. in the sun	31	93°	96°	101°	105°	101°	108°	106°	97°	115°	111°	126°	112°	119°
,, ,, shade	32	50°	57°	62°	65°	62°	69°	71°	65°	81°	79°	73°	74°	83°
,, ,, night	33	30°	28°	28°	39°	35°	36°	37°	38°	43°	44°	34°	36°	46°
,, ,, grass	34	25°	25°	25°	35°	32°	35°	37°	36°	42°	43°	33°	36°	43°
Sickn's, Paupers Patients	35	33	18	14	20	28	17	11	15	17	15	11	8	6
Infectious under I. Act	36	6	9	11	13	7	10	29	22	12	16	9	12	20
Paupers relieved..	37	2638	2655	2448	2554	1165	1138	1094	1071	1065	1029	1023	985	996
Birth-rate	38	18·36	22·03	19·41	19·95	22·55	22·05	14·69	20·45	25·17	22·03	17·31	17·83	22·55
Death-rate	39	13 64	17·31	26·75	14·16	13·11	15·21	20·45	13·64	14·69	14·16	14·69	14·69	12·06
Seven Zymotics	40	0·52		1·05	1·05	0·52	1·57		1·05		0·52	2·10	1·05	1·05
Breathing Organs	41	4·20	2·62	4·20	4·72	2·62	1·57	3·67	3·67	0·52		1·57	2·62	2·10
33 English towns	42	21·08	20·49	20·33	18·86	17·49	17·66	17·58	17·38	17·20	15·46	15·42	16·18	16·72
,, ,,	43	32·57	30·07	31·56	33·17	33·96	31·99	30·42	31·69	31·38	26·77	33·80	32·53	30·38

TABL

JULY.					AUGUST.				SEPTEMBER.					1895.
27th week ended July 6, 1895	28th week ended July 13, 1895	29th week ended July 20, 1895	30th week ended July 27, 1895	31st week ended August 3, 1895	32nd week ended August 10, 1895	33rd week ended August 17, 1895	34th week ended August 24, 1895	35th week ended August 31, 1895	36th week ended September 7, 1895	37th week ended September 14, 1895	38th week ended September 21, 1895	39th week ended September 28, 1895		
46	42	35	36	57	39	45	53	37	44	43	43	30	1	 T
28	17	23	26	20	27	26	36	38	33	32	40	28	2	Deaths at
8	3	5	6	6	3	6	10	8	10	7	9	7	3	
3	1	1	5	3	2	2	7	3	4	4	4	8	4	
1	3		2	1	4	4		3	3	2	7	3	5	
5	5	5	4	2	8	3	6	9	10	12	7	3	6	
... ..	1	1	1	3	1	4	11	7	6	3	3	10	7	Deaths from seven principal Zymotic Diseases
.....													8	
.....	1							2	.. .		1		9	
.....		.. .		2		1						3	10	
.....			1				2					2	11	
... .							...			1			12	
....													13	
.....				1			1						14	
.....													15	
.....		1			1	3	8	5	6	2	2	5	16	
4	2	4	3	3	4	3	2	4		4	5	2	17	Deaths from
5	2	6	4	2	4	4	2	5	2	3	6	2	18	
2	1	1	1	1	4	2	1	2	1	5		1	19	
1	4		1	1			1	1	1			1	20	
1	1	1	4	4		1	2	6	4	6	3	2	21	Deaths in Pul
29·84	29·90	29·71	29·60	29·74	29·52	29·84	29·93	29·94	29·93	29·93	30·16	30·21	22	Mean Borom
59·0	59·9	59·0	59·9	58·1	59·5	61·5	63 1	58·9	59·9	58·3	57·2	61·8	23	Mean Therm
19·2	18·0	14·1	16·1	16·2	16·7	16·9	18·9	12·4	17·8	17·6	17·3	26·9	24	Mean Diurna
52°	52°	53°	53°	54°	54°	54°	54°	55°	55°	55°	55°	54°	25	Mean height
56°	57°	57°	57°	57°	57°	57°	58°	58°	57°	57°	56°	56°	26	,, ,,
62·5	63·5	66·0	75·1	65·7	66·4	69·4	63·1	77·7	71·5	71·3	72·7	68·8	27	Mean moistur
1·47	0·37	1·00	3·46	0·09	0·60	0·64	0·10	0·63	0·71	0·12	0·00	0·03	28	Total Rain
NWSW	W.	S.W.	N.E.	NE SW	N W.	S.W.	SW NW	S.W	S.W.	WS W	WS W	SW SE	29	Prevail
25	27	35	20	15	30	20	30	35	20	38	30	10	30	Velocity of Wi
114°	115°	111°	117°	118°	114°	119°	115°	108°	106°	111°	101°	115°	31	Highest record
73°	78°	73°	73°	68°	73°	79°	78°	71°	77°	80°	69°	82°	32	,, ,,
46°	49°	50°	48°	47°	47°	50°	51°	44°	46°	44°	41°	35°	33	Lowest ,,
45°	48°	49°	48°	45°	45°	48°	50°	41°	44°	40°	39°	33°	34	,, ,,
32	18	17	10	18	12	24	20	24	34	13	11	26	35	New Cases and Ho
12	20	18	11	17	13	9	11	16	8	12	18	19	36	Cases notified clause 64,
975	967	963	996	979	948	940	962	937	937	916	940	920	37	... Hudd. Distr
24·13	22·03	18·36	18·88	29·90	20·45	23·60	27·80	19·41	23·08	22·55	22·55	15·73	38	Per 1000 of
14·69	*8·92	12·06	13·64	10·49	14·16	13·64	18·88	19·93	17·31	16·78	20·98	*14·69	39	population
.....	0·52	0·52	0·52	1·57	0·52	2·10	5·77	3·67	3·15	1·57	1·57	5·24	40	Death-rate
2·10	1·05	2·10	1·57	1·57	2·10	1·57	1·05	2·10		2·10	2·62	1·05	41	per 1000 lvg.
17·56	19·87	21·90	22·52	20·72	20·81	19·13	19 93	19·91	19·95	19·30	19·84	21·03	42	 Death-ra
31·63	31·50	30·87	31·31	32·82	28·65	32·11	30·66	31·14	31·18	30·33	30·93	30·90	43	 Birth-ra

* Signifies Huddersfield had the lowest

K.—*Continued.*

52 weeks.		OCTOBER.					NOVEMBER.				DECEMBER.				TOTALS & AVERAGES
		40th week ended October 5, 1895	41st week ended October 12, 1895	42nd week ended October 19, 1895	43rd week ended October 26, 1895	44th week ended November 2, 1895	45th week ended November 9, 1895	46th week ended November 16, 1895	47th week ended November 23, 1895	48th week ended November 30, 1895	49th week ended December 7, 1895	50th week ended December 14, 1895	51st week ended December 21, 1895	52nd week ended December 28, 1895	
rths	1	54	42	66	38	47	42	29	36	48	40	47	44	13	2151
l Ages	2	27	36	32	26	27	28	19	36	35	25	25	28	21	1699
nder 1 year... .	3	8	14	8	8	7	5	5	9	8	4	5	3	1	340
to 5 years	4	4	1	4	3	4	1	5	1	4	4	2	4	1	185
to 60 years	5	3	3	2	2	1	2	1	3	5	5	2	4	5	191
yrs. & upwards	6	5	7	6	3	6	10	5	13	6	7	10	8	9	474
ven diseases	7	5	6	5	4	3		6	1	2		3	2		129
nallpox	8														
easles	9	1	1		1	1		2							12
arlet Fever.....	10		1					1							20
phtheria	11			2	1			1		2		1			19
hooping Cough	12			1		1		1				1	2		21
ntd. Typhus..	13														
ever Typhoid	14			1											6
Other &c.	15														
arrhœa	16	4	4	1	2	1		1	1			1			51
ng diseases, &c.	17	7	3	6	3	4	5	5	11	6	8	6	5	3	292
nsumption	18		4	5	2	3	3	2	5	4	3	3	3	2	195
eart disease, &c.	19	1	3	2		2	3		1	3	2		1	1	97
olence, &c.... ..	20	2		1		1		1		2		1			49
stitutions	21	1	1	2	1		2	2	6	4	1	4	1	1	152
ches..	22	29·58	29·95	30·14	29·63	29·86	29·59	29·28	29·96	29·94	29·57	29·59	29·47	29·79	29·79
?.	23	52·0	48·6	45·3	37·2	37·6	45·6	46·4	41·7	41·7	41·3	37·8	36·3	31·1	46 6
nge ° F.....	24	14·6	10·4	13·4	11·3	10·6	10·3	12·7	9·2	4·6	6·8	10·7	6·1	4·7	14·1
rthTher.4ft. 6in	25	56°	54°	53°	52°	50°	49°	48°	48°	47°	47°	46°	45°	44°	47°
,, ,, 2ft. 6in	26	55°	53°	51°	47°	44°	45°	46°	45°	44°	44°	42°	41°	39°	47°
Air, %	27	81·3	77·8	72·7	72·0	80·9	78·0	71·1	84·3	87·0	76·7	80·0	85·4	79·1	70 9
ches)	28	1·94	0·58	0·40	0 50	0·19	0·64	1·62	0·65	0·75	1·85	1·16	0·06	0·97	34·45
nd	29	W SE	N. W	SW NW	W NW	NW Nt	S. W.	S. W.	SE NE	NE SE	NW SW	N W.	E NE	E.	
les per hour ..	30	40	40	12	30	20	32	50	32	30	60	45	32	35	30
mp. in the sun	31	97°	88°	82°	75°	73°	81°	79°	71°	51°	69°	64°	65°	38°	90°
,, ,, shade	32	74°	57°	55°	50°	47°	55°	61°	51°	47°	48°	47°	47°	37°	60°
,, ,, nigh	33	35°	38°	27°	26°	24°	34°	36°	29°	34°	30°	27°	28°	26°	33°
,, ,, grass	34	33°	34°	29°	23°	22°	30°	31°	27°	32°	30°	24°	25°	27°	31°
kn's. Paupers tients	35	22	20	25	18	13	27	19	12	14	29	14	22	2	1090
ectious under Act	36	20	20	12	10	21	23	21	17	18	15	18	4	8	688
upers Relieved	37	920	887	931	889	915	893	892	891	891	890	903	889	905	80022
rth-rate	38	28·32	22·03	34·62	19·93	24·65	22·03	15·21	18·88	25·17	20·98	24·65	23·08	6·82	21·70
ath-rate	39	14·16	18·88	16·78	13·64	14·16	14·69	*9·96	18·88	18·36	13·11	13·11	14·69	*11·01	17·14
ven Zymotics...	40	2·62	3·15	2·62	2·10	1·57		3·15	0·52	1·05		1·57	1·05		1·30
eathing Organs	41	3·67	1·57	3·15	1·57	2·10	2·62	2·62	5·77	3·15	4·20	3·15	2·62	1·57	2·98
English towns..	42	19·45	21·04	19·08	19·76	21·94	22·13	19·09	19·03	17·93	17·95	17·78	18·59	19·12	20·67
,, ,,	43	29·21	31·98	32·15	30·10	32·23	30·68	30 99	31·09	27·69	28·50	27·39	29·19	19·59	31·36

* death-rate of the 33 large towns.

TABLE A.

TABLE OF DEATHS during the Calendar Year 1895 (365 days ended December 31st), in the Urban Sanitary District of Huddersfield, classified according to Diseases, Ages, and Localities, and showing also the Population of such Localities, and the Births therein during the 52 weeks.

Names of Localities adopted for the purpose of these Statistics; public institutions being shown as separate localities.	Population at all Ages. Estimated. 1895	Births Registered in 52 weeks.	Mortality from all causes, at subjoined Ages. At all Ages	Under 1 year.	1 and under 5	5 and under 15	15 and under 25	25 and under 60	60 & upwards		Smallpox.	Measles.	Scarlet Fever	Diphtheria.	Croup not "spasmodic."	Whooping Cough.	Continued Fevers. Typhus.	Enteric or Typhoid.	Other or Doubtful.	Diarrhœa and Dysentery.	Cholera Nostras.	Rheumatic Fever.	Erysipelas.	Pyæmia.	Puerperal Fever.	Ague.	Phthisis.	Bronchitis, Pneumonia and Pleurisy	Heart Disease.	Injuries.	Other Diseases.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Central	26706	528	439	103	51	16	16	136	117	Under 5...	...	7	1	2	...	6	...	...	...	18	...	...	1	...	...	...	6	35	...	2	76	Central
										5 upwards	...	...	1	1	...	...	...	2	...	2	...	2	2	2	1	...	37	45	31	7	152	
Marsh	8705	186	125	24	17	5	8	32	39	Under 5...	...	...	1	1	...	...	...	...	...	7	...	...	...	...	...	...	3	7	...	...	22	Marsh
										5 upwards	...	...	1	..	...	..	...	1	...	...	...	...	...	1	1	...	15	15	6	1	43	
Fartown	9930	233	158	30	24	7	10	46	41	Under 5...	...	2	1	2	...	4	...	...	...	1	...	...	...	...	...	...	...	13	1	...	30	Fartown
										5 upwards	...	...	1	...	...	...	...	...	...	...	...	...	...	..	1	...	17	22	5	6	52	
Deighton and Bradley	2389	54	42	11	4	2	1	11	13	Under 5...	...	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	10	Deighton & Bradley
										5 upwards	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	4	5	3	1	13	
Dalton	8898	199	135	26	15	6	11	35	42	Under 5...	...	...	...	1	...	1	...	...	...	2	...	...	...	...	...	...	...	8	...	1	28	Dalton
										5 upwards	...	...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	20	23	7	1	40	
Almondbury ...	15370	322	247	55	21	13	15	76	67	Under 5...	...	...	...	2	...	2	...	...	...	5	...	1	...	...	...	...	...	9	...	2	55	Almondbury
										5 upwards	...	...	...	1	...	...	...	1	...	3	...	1	...	...	...	...	28	22	16	5	94	
Lockwood	12627	339	207	47	20	15	16	60	49	Under 5...	...	1	2	3	...	3	...	...	...	5	...	...	...	...	...	...	1	11	...	...	41	Lockwood
										5 upwards	...	...	1	...	...	...	...	...	...	2	...	1	2	...	1	...	30	22	13	3	65	
Lindley	9053	167	124	29	14	2	7	31	41	Under 5...	...	...	...	2	...	3	...	...	...	1	...	...	...	...	...	...	2	7	2	...	26	Lindley
										5 upwards	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	9	12	3	2	51	
Longwood	5804	107	78	8	10	6	9	30	15	Under 5...	...	1	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	13	Longwood
										5 upwards	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	15	12	3	1	27	
Infirmary		...	52	1	5	6	4	28	8	Under 5...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	3	Infirmary
										5 upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	4	2	10	28	
Hospital.....		...	11	...	6	2	2	1	...	Under 5...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hospital
										5 upwards	...	...	3	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	
Workhouse ...		16	89	3	1	...	3	37	45	Under 5...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	Workhouse
										5 upwards	...	...	...	1	...	...	...	...	...	2	...	1	...	...	...	...	8	21	6	1	45	
TOTALS... ..	99482	2151	1707	337	188	80	102	523	477	Under 5...	...	12	13	14	...	20	...	...	...	39	...	2	1	...	...	...	12	94	3	7	308	TOTALS
										5 upwards	...	...	8	5	...	...	...	6	...	12	...	7	5	3	4	...	185	203	95	38	611	

The subjoined numbers have also to be taken into account in judging of the mortality of this Division of the Sanitary District

Deaths occurring (in Deanhouse Hospital) outside the division or district among persons belonging thereto...	11	...	...	...	...	4	7	Under 5...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
								5 upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3	...	5	
Deaths occurring (in the Birkby Hospital, Workhouse and Infirmary) within the division or district among persons not belonging thereto	...	...	...	...	...	...	...	Under 5...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	
	35	1	1	2	4	16	11	5 upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	6	...	5	21	

TABLE B.—Part 1.

New Cases of Sickness occurring during the 52 weeks ended December 28th, 1895, amongst Out-door Paupers.

	DISTRICTS OF BOROUGH.		Smallpox.	Measles and Rotheln.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Continued Fevers: Typhus.	Continued Fevers: Typhoid.	Continued Fevers: Other doubtful (Febricula, &c).	Diarrhœa and Dysentry.	Cholera.	Rheumatic Fever.	Erysipelas.	Pyæmia.	Puerperal Fever.	Influenza.	Consumption.	Other diseases of Breathing Organs.	Diseases of the Heart, Liver, Kidney, Stomach, and Bowels.	Convulsions and diseases of the Nervous System.	Violence, &c.	Immaturity and Old Age.	Other diseases.	Lead Poisoning.	TOTALS.
	1	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	*a*	*b*	*c*	31	*d*	*e*	*f*	32
Out-door Paupers.	Central	Under 5	...	1	...	...	...	2	..	...	...	11	...	...	...	...	...	...	...	9	3	1	1	...	8	...	36
		5 upwards.	...	1	2	...	...	1	...	...	...	13	...	16	3	...	...	10	9	79	32	33	5	...	63	...	267
	Marsh	Under 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
		5 upwards.	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	2	12	4	1	2	...	8	...	29
	Fartown	Under 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		5 upwards.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	3	...	...	1	...	8
	Deighton and Bradley	Under 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		5 upwards.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dalton	Under 5	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	1	...	2	1	...	...	...	2	...	6
		5 upwards.	...	...	...	...	...	...	...	...	...	...	...	4	..	...	...	8	4	11	22	2	...	...	20	...	71
	Almondbury	Under 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
		5 upwards.	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	3	3	9	2	6	...	...	22	...	50
	Lockwood	Under 5	...	...	...	1	...	...	...	..	...	4	...	...	...	...	...	...	1	9	2	2	...	...	2	...	21
		5 upwards.	...	1	...	...	...	1	...	...	...	4	...	11	1	...	...	9	3	20	24	9	2	...	36	...	121
	Lindley	Under 5	...	...	...	...	...	...	...	...	...	1	...	...	...	...	..	...	...	...	1	...	...	...	...	...	2
		5 upwards.	...	...	...	...	...	...	...	...	...	...	..	1	...	...	...	2	1	8	3	3	...	...	9	...	27
	Longwood	Under 5	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	1	...	1
		5 upwards.	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	5	...	2	...	...	4	...	12
	Whole Borough	Under 5	...	1	...	1	...	2	...	...	...	16	...	...	...	...	...	1	1	20	7	3	1	...	13	...	66
		5 upwards.	...	2	2	...	...	2	...	...	...	18	...	37	4	...	...	32	22	147	88	59	9	...	163	...	585

STREET LIST.

Arranged under the heading of each Infectious Disease.

Deaths which occurred at Birkby Hospital are allocated to the District from which the cases were notified.

PLACE OF DEATH.	DISTRICT.	Smallpox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Simple Fever.	Enteric.	Diarrhœa.
Wells Street, Longroyd Bridge...	Central		1						
,, ,, ,,	,, ...			1					
High Street	,, ...					1			
Leeds Road	,, ...					1			
Hardy's Buildings, South Street	,, ...					1			
Firth Street	,, ...					1			
Upperhead Row	,, ...					1			
,, ...	,, ...		1						
Mills Row, Castlegate	,, ...					1			
,, ,, ...	,, ...								1
,, ,, ...	,, ...								1
Bath Street	,, ...			1					
St. Thomas's Road	,, ...					1			
Sand Street, Aspley	,, ...							1	
,, ,, ...	,, ...								1
Northumberland Street... ...	,, ...								1
,, ,, ...	,, ...		1						
St. John's Square	,, ...								1
Kirkmore Place	,, ...		1						
Dodd's Yard, Spring Street ...	,, ...				1				
Bradford Road	,, ...				1				
Heap Street	,, ...								1
Fitzwilliam Street	,, ...								1
,, ,, ...	,, ...								1
Kaye's Yard, Quay Street ...	,, ...								1
,, ,, ...	,, ...								1
Thomas Street	,, ...								1
,, ...	,, ...								1
Hawk Street	,, ...								1
Union Street	,, ...								1
Lowerhead Row	,, ...								1
,, ,, ...	,, ...								1
Boulder's Yard, Kirkgate ...	,, ...								1
William Street	,, . ..				1				
Colne Terrace, Aspley	,, ...								1
North's Yard, Northgate ...	,, ...		1						
,, ,, ..	,, ...		1						
Fountain Street	,, ...		1						
Leeche's Yard, Chapel Hill ...	,, ...								1
Prospect Street	,, ...							1	
Newtown	,, ...								1
Hillhouse Lane	,, ...				1				
Birkby Fever Hospital	,, ...							1	
,, ,, ...	,, ...			1					
,, ,, ...	,, ...			1					

STREET LIST—Continued.

PLACE OF DEATH.	DISTRICT.	Smallpox.	Measles	Scarlet Fever	Diphtheria.	Whooping Cough	Simple Fever.	Enteric.	Diarrhœa.
Mark Street, Paddock	Marsh			1				1	
,, ,, ...	,, ...				1				1
West View, ,, ...	,, ...								1
,, ,, ...	,, ...								1
Ramsden Row ,, ...	,, ...								1
,, ,, ...	,, ...			1					
Westbourne Road	,, ...								1
Luck Lane	,, ...								1
New Street, Paddock	,, ...								1
Tentergate, ,, ...	,, ...								1
Lower Brow, ,, ...	,, ...			1					
Birkby Fever Hospital	,, ...				1				
Leeds Road North	Fartown					1			
Percy Street	,, ...						1		
Sheepridge Road...	,, ...						1		
,, ...	,, ...			1					
Green Terrace	,, ...						1		
Bradford Road North	,, ...			1					
Willow Lane	,, ...				1				
Buckrose Street	,, ...					1			
Cooper's Buildings	,, ...						1		
Whiteheads' Buildings, Hillhouse Lane	,, ...								1
Leeds Road, Deighton	Deighton & Bradley				1				
Leeds Road North	,, ,,					1			
Cherry Nook	,, ,,						1		
Oak Road, Bradley	,, ,,			1					
Birkby Fever Hospital	,, ,,				1				
Storthes, Moldgreen	Dalton					1			
Moldgreen	,, ...				1				
Fleming House Lane	,, ...						1		
Poplar Terrace	,, ...								1
Back Silver Street, Storthes ..	,, ...								1
Green Mount, Moldgreen ..	,, ...					1			
Somerset Road, Moldgreen ...	Almondbury ..							1	
Robin Hood Hill, Berry Brow ...	,, ...						1		
Drawer's Row, ,, ...	,, ...								1
Chapel Street, ,, ...	,, ...								1
Taylor Hill Road	,, ...								1

STREET LIST—Continued.

PLACE OF DEATH.	DISTRICT.	Smallpox	Measles	Scarlet Fever	Diphtheria.	Whooping Cough	Simple Fever.	Enteric.	Diarrhœa.
Somerset Buildings, Moldgreen	Almondbury ...								1
Wood Top, Primrose Hill ...	,, ...								1
Prince Street, ,, ...	,, ...								1
Freehold Street, ,, ...	,, ...				1				
Waterside, Salford	,, ...					1			
,, ,, ...	,, ...				1				
Lowerhouses	,, ...								1
Squirrel Ditch	,, ...				1				
Scarr, Salford	,, ...								1
Birkby Fever Hospital	,, ...			1					
,, ,, ...	,, ...			1					
,, ,, ...	,, ...			1					
Moor End Road	Lockwood... ...			1					
,, ...	,, ...			1					
,, ...	,, ...				1				
Garden Street	,, ...					1			
Hope Street	,, ...					1			
Hawthorne Terrace, Crosl'd Moor	,, ...								1
,, ,,	,, ...								1
,, ,,	,, ...								1
Victoria Road	,, ...								1
Blamires' Yard, Swan Lane ...	,, ...		1						
Yews Hill Road	,, ...				1				
Barton Road, Crosland Moor ...	,, ...				1				
Yew Green	,, ...					1			
Nabcroft, Crosland Moor ...	,, ...								1
Albert Street	,, ...								1
Lockwood Road	,, ...								1
Birkby Fever Hospital	,, ...			1					
,, ,, ...	,, ...			1					
Workhouse, Crosland Moor ...	,, ...				1				
,, ,, ...	,, ...								1
,, ,, ...	,, ...								1
Wellington Street	Lindley				1				
Occupation Road	,, ...				1				
Birchencliffe	,, ...								1
,, ...	,, ...								1
,, ...	,, ...								1
Oakes	,, ...					1			
East Street	,, ...					1			
West Street	,, ...					1			
Cliffe End	,, ...								1
Firs	Longwood... ...				1				
Slack	,, ...			1					
Outlane	,, ...		1						
Fern Lea	,, ...							1	

Removal of Nuisances.

Yearly Report 1895, December 30th to December 28th.

	1st quarter	2nd quarter	3rd quarter	4th quarter	Totals
Drains requiring Re-construction (stone drains) ...	22	38	40	57	157
Do. do. (pipe drains) ...	27	14	29	13	83
Do. connecting with main sewer ...	23	9	14	25	71
Drains not efficiently trapped	49	70	55	81	255
Do. requiring Ventilation Shafts	46	35	46	38	165
Defective Sink Drains	96	129	63	105	393
Do. Yard Drains	37	54	45	40	176
Do. Cellar Drains	37	22	27	37	123
Do. Eave and Fall Pipes	36	38	31	24	129
Do. Street Gullies	2	3	1	...	6
Do. Roofing	7	2	6	1	16
Do. Urinals	2	3	2	3	10
Do. Baths	1	1	1	10	13
Do. Water Closets...	16	11	5	...	32
Sink Pipes, &c., requiring Disconnecting	83	98	64	89	334
To provide Sinkstones to Houses	1	1	...	...	2
Fall Pipes requiring Disconnecting	33	34	29	15	111
To provide Eave and Fall Pipes	18	..	9	9	36
Nuisances from want of Drains	...	15	11	7	33
Do. Water in Cellar	8	9	18	18	53
Do. Cellar Wells	10	1	3	...	14
Do. Cess Pools	...	2	1	1	4
Do. Stagnant Water	5	9	3	4	21
Do. Defective Paving of Yard	3	10	1	3	17
Do. Smoke	5	5	4	2	16
Do. Poultry and Pigeons	3	2	7	1	13
Do. Animals	...	3	5	2	10
Offensive Accumulations...	7	14	4	7	32
Do. Ashpits and Privies	2	8	...	25	35
Do. Swill Tubs	...	...	...	4	4
Do. Urine Receptacles	...	...	1	1	2
Urine Guards required	4	1	...	2	7
Closets requiring Lime-washing	8	4	4	5	21
Workshops requiring Lime-washing	...	31	13	...	44
Ashpits and Closets requiring Re-construction ...	8	10	12	51	81
Do. requiring proper doors and covering	15	23	5	10	53
Old Privies altered to tub or water closet system ...	4	9	8	6	27
Insufficient Closet Accommodation	7	18	13	2	40
Houses Overcrowded	3	1	...	2	6
Do. Unfit for Habitation	1	...	...	...	1
Do. Requiring Cleansing	...	6	2	..	8
Do. Requiring Ventilation	1	4	4	3	12
Do. Damp	1	5	7	1	14
Do. Requiring Water Supply	...	1	...	...	1
Cowsheds requiring Lime-washing	..	73	35	4	112
Do. Draining	...	6	30	...	36
Do. Paving	...	5	26	...	31
Bakehouses requiring Lime-washing or Cleansing ...	2	...	...	3	5
Total	633	837	684	711	2865

Particulars of Work Performed by Scavenging Staff at Hillhouse Depot, Streets, &c.

1895	Loads of Receptacles brought in to the Depôt.	Number of hours worked by Sweeping Machine.	Refuse burnt in Hillhouse Destructor.		Tons of Clinkers removed from Hillhouse Destructor to tips.	Tons of fine ashes from Hillhouse Destructor made into manure.
			Loads.	Tons.		
January ...	1992	23½	...	...	...	26
February ...	1759	91½	208	181	53	5
March ...	1906	153½	230	194	17	69
April ...	1941	159	232	175	16	80
May ...	2039	144	228	167	56	115
June ...	1843	144	162	130	18	98
July ...	2037	100	176	148	37	...
August ...	2013	176	196	169	32	..
September ...	1883	168	194	162	34	...
October November	3971	337½	820	667	176	26
December ...	1951	108	336	288	88	6
Year ...	23335	1605	2782	2281	527	425

LOADS COLLECTED DURING THE YEAR 1895.

1895.	Ashes.	Street Sweepings.	Market Refuse.	Slaughter House Refuse.	Trade Refuse.	Snow.	Water from Mains.
January	1866	75	54	22	...	3891	...
February	2472	178	47	34	44	...	...
March	2454	372	62	23	56	...	...
April	2241	207	51	20	26	...	42
May	2862	242	57	24	39	...	1030
June	2546	215	55	26	21	...	1276
July	2715	207	62	19	17	...	418
August	2078	267	75	30	16	...	392
September	1830	211	61	27	13	...	421
October }	4475	552	99	56	60	...	...
November }							
December	1955	186	53	27	39	230	...
Total.....	27494	2712	676	308	331	4121	3579

HILLHOUSE DEPOT MANURE SALES, 1895.

MONTHS.	Stable Manure.	Shoddy Manure.	Grass Manure.	Market Refuse.	Night-soil.	Slaughter house Refuse.	Totals
1895							
January	88½	40	104½	64	26	55	378
February	122½	48¾	22	40½	5½	32½	271¾
March	72	...	113	54½	69½	28	337
April	48	31	140¼	55	80	19	373¼
May	90	19	152½	61	115¼	32	469¾
June	17½	24	72	40	98	23	274½
July	27	11	92¼	47¾	...	8	186
August	49¾	...	115½	79	...	29	273¼
September.....	50½	...	83¼	31	...	16	180¾
October / November ...	136	129	150	173½	97	55	740½
December	57	72	...	39	17	31	216
Approximate Total ...	758¾	374¾	1045¼	685¼	508¼	328½	3700¾

FLUSHERS' WORK, 1895.

	1st quarter	2nd quarter	3rd quarter	4th quarter	Totals
Number of premises flushed where Zymotic diseases have occurred	8	35	94	101	238
Number of premises flushed by request of owners (paid for)	27	49	39	41	156
Other premises, yards or courts flushed	77	378	534	408	1397
Gullies found choked	41	50	34	30	155
Drains ,, ,, ...	10	145	129	74	358
Gullies made clear	33	42	32	28	135
Drains ,, ,, ...	10	139	123	70	342
Number of Notices entered in books of Department...	122	137	138	102	499
Number of visits to houses where deaths have occurred in persons under 1	74	29	63	79	245
Phthisis	30	15	42	31	118

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